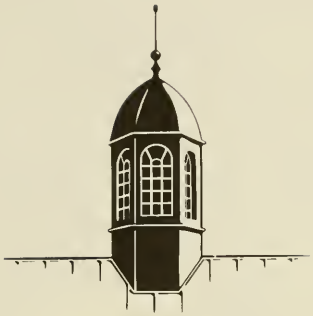
WEST VIRGINIA WESLEYAN COLLEGE

1994 - 96 CATALOG



WEST VIRGINIA WESLEYAN COLLEGE

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NOTICE OF NONDISCRIMINATION/AFFIRMATIVE ACTION

West Virginia Wesleyan College, a private educational institution, is committed to the principle of equal opportunity for all qualified persons, welcomes students of all backgrounds and takes pride in the diversity of its faculty and staff. It assures students of access to all the privileges, programs and activities generally accorded or made available at the College. West Virginia Wesleyan College strongly supports affirmative action principles and does not discriminate on the basis of creed, religion, national or ethnic origin, age, race, color, gender or handicap in the administration of its educational programs, admissions policies, financial aid programs, athletics, co-curricular activities or other College administered programs.

The *West Virginia Wesleyan Catalog* is published biennially by West Virginia Wesleyan College, Buckhannon, West Virginia 26201-2998. The provisions of this catalog are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to make and designate the effective date of changes in curriculum, course offerings, fees, requirements for graduation and other regulations, at any time such changes are considered to be desirable or necessary.

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College Calendar

1994-95

1994 Fall Semester

August	27	Saturday	Orientation for new students begins
	28	Sunday	Residence halls open for returning students (5 pm)
	29-30	Mon.-Tue.	Registration
	31	Wednesday	Classes convene
September	6	Tuesday	Last day for schedule changes and late registration; Deadline:Pass/Fail application
	20	Tuesday	Last day for withdrawing from first 6 weeks classes
	24-25	Sat.-Sun.	Parents' Weekend
October	10	Monday	Progress reports due in Registrar's Office
	12	Wednesday	Incomplete grades from Summer School and Spring Semester due in Registrar's Office
	14	Friday	Founders Day
	15	Saturday	Homecoming
	19	Wednesday	Second 6 weeks classes begin
	25	Tuesday	Last day to add/drop second 6 weeks classes
	31	Monday	Last day for withdrawing from full-semester classes
November	7-18	Mon.-Fri.	Preregistration (tentative)
	8	Tuesday	Last day for withdrawing from second 6 weeks classes
	19	Saturday	Fall Break; Residence halls close (12 noon)
	27	Sunday	Residence halls open (12 noon)
	28	Monday	Classes resume (8 am)
December	13	Tuesday	Reading Day
	14-17	Wed.-Sat.	Final Examinations
	17	Saturday	Residence halls close (7 pm)
	20	Tuesday	Final grades due in Registrar's Office

1995 January Term

January	2	Monday	Residence halls open (12 noon)
	3	Tuesday	January Term classes begin
	4	Wednesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	12	Thursday	Last day for withdrawing from classes
	21	Saturday	Final Examinations

1995 Spring Semester

January	24	Tuesday	Registration
	25	Wednesday	Classes convene (8 am)
	31	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application

February	14	Tuesday	Last day for withdrawing from first 6 weeks classes
March	6	Monday	Progress reports due in Registrar's Office
	8	Wednesday	Incomplete grades from Fall Semester and January Term due in Registrar's Office
	11	Saturday	Spring Break; Residence halls close (12 noon)
	19	Sunday	Residence halls open (12 noon)
	20	Monday	Classes resume (8 am) Second 6 weeks classes begin
	24	Friday	Last day to add/drop second 6 weeks classes
April	3	Monday	Last day for withdrawing from full-semester classes
	7	Friday	Last day for withdrawing from second 6 weeks classes
	10-21	Mon.-Fri.	Preregistration (tentative)
	14	Friday	Good Friday—classes dismissed
	22-23	Sat.-Sun.	Spring Weekend
	29	Saturday	Admission Open House
May	5	Friday	Reading Day
	6-11	Sat.-Thu.	Final Examinations
	11	Thursday	Residence halls close for nongraduating students (7 pm)
	13	Saturday	Baccalaureate
	14	Sunday	Commencement
	16	Tuesday	Final grades due in Registrar's Office

Summer School dates available after March 1.

1995-96

1995 Fall Semester

August	26	Saturday	Orientation for new students begins
	27	Sunday	Residence halls open for returning students (5 pm)
	28-29	Mon.-Tue.	Registration
	30	Wednesday	Classes convene
September	5	Tuesday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	19	Tuesday	Last day for withdrawing from first 6 weeks classes
	30-1	Sat.-Sun.	Parents' Weekend
October	9	Monday	Progress reports due in Registrar's Office
	11	Wednesday	Incomplete grades from Summer School and Spring Semester due in Registrar's Office
	13	Friday	Founders Day
	14	Saturday	Homecoming
	18	Wednesday	Second 6 weeks classes begin
	24	Tuesday	Last day to add/drop second 6 weeks classes
	30	Monday	Last day for withdrawing from full-semester classes
November	6-17	Mon.-Fri.	Preregistration (tentative)
	7	Tuesday	Last day for withdrawing from second 6 weeks classes

	18	Saturday	Fall Break; Residence halls close (12 noon)
	26	Sunday	Residence halls open (12 noon)
	27	Monday	Classes resume
December	12	Tuesday	Reading Day
	13-16	Wed.-Sat.	Final Examinations
	16	Saturday	Residence halls close (7 pm)
	19	Tuesday	Final grades due in Registrar's Office

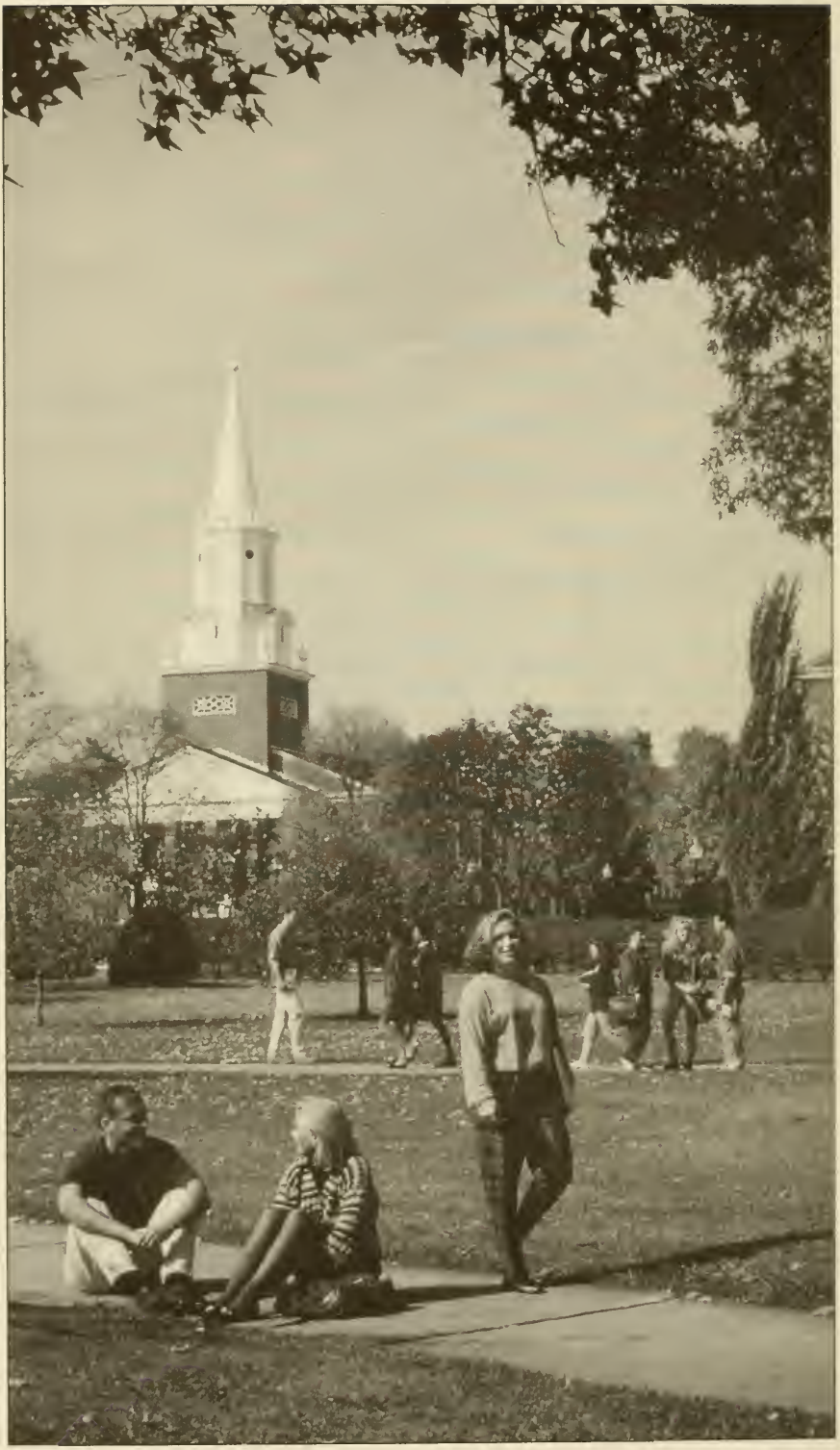
1996 January Term

January	3	Wednesday	Residence halls open (12 noon)
	4	Thursday	January Term classes begin
	5	Friday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	15	Monday	Last day for withdrawing from classes
	24	Wednesday	Final Examinations

1996 Spring Semester

January	29	Monday	Registration
	30	Tuesday	Classes convene (8 am)
February	5	Monday	Last day for schedule changes and late registration; Deadline: Pass/Fail application
	19	Monday	Last day for withdrawing from first 6 weeks classes
March	6	Wednesday	Progress reports due in Registrar's Office
	11	Monday	Incomplete grades from Fall Semester and January Term due in Registrar's Office
	16	Saturday	Spring Break; Residence halls close (12 noon)
	24	Sunday	Residence halls open (12 noon)
	25	Monday	Classes resume (8 am) Second 6 weeks classes begin
	29	Friday	Last day to add/drop second 6 weeks classes
April	4	Thursday	Last day for withdrawing from full-semester classes
	5	Friday	Good Friday—classes dismissed
	9-19	Tue.-Fri.	Preregistration (tentative)
	12	Friday	Last day for withdrawing from second 6 weeks classes
	27-28	Sat.-Sun.	Spring Weekend
May	4	Saturday	Admission Open House
	10	Friday	Reading Day
	11-16	Sat.-Thu.	Final Examinations
	16	Thursday	Residence halls close for nongraduating students (7 pm)
	18	Saturday	Baccalaureate
	19	Sunday	Commencement
	21	Tuesday	Final grades due in Registrar's Office

Summer School dates available after March 1.
Calendar subject to modification in the interest of the total College program.



Wesleyan: Your College?

Unite the pair so long disjoined, knowledge and vital piety.

— Charles Wesley

Statement of Mission

Introduction

West Virginia Wesleyan College is an independent residential college related to the United Methodist Church. While enrolling the majority of its students from other states and several foreign countries, Wesleyan is committed to a tradition of serving the institutions and people of West Virginia.

Wesleyan recognizes that its students bring a rich diversity of regional, cultural, and religious experiences to the campus and, in turn, graduate and contribute to widely different and dynamic domains of responsibility. The College embraces the fact that each generation greets the challenge of integrating complex roles in the public and private spheres. The Wesleyan program helps students to identify career goals and, where appropriate, to develop professional skills.

Wesleyan challenges all members of its community to set standards of excellence. This high purpose is exhilarating and places a great responsibility upon those who choose to study, teach, and work here. Members of the college community give each other strength through fellowship, worship, and campus festivities. It is a privilege to gather in support of the life of the mind, to foster civility of spirit, to advance freedom of inquiry, to love goodness, justice, truth and beauty, to nurture delight in service, and to encourage the exploration of this world and the creation of new ones.

Affirmation

West Virginia Wesleyan College's program of liberal education is intended to motivate its students to seek truth and knowledge throughout their lives. It emphasizes undergraduate teaching that respects the creativity of learners and fosters self-discovery, intellectual and moral integrity, and global responsibility for the earth's inhabitants.

West Virginia Wesleyan College has a sustained commitment to encourage students' intellectual, spiritual, social and physical development. Specifically, Wesleyan seeks to create an environment for its students which will foster:

- the capacity to think clearly, to read with understanding, and to speak and write with clarity, economy, and some elegance
- an appreciation for the great forms of human self-expression in the arts, science, religion and culture, and their interrelatedness
- an understanding and appreciation of those questions of commitments and values in the Christian faith as a part of free inquiry into human spirituality
- personal qualities of spiritual growth, thoughtfulness, mutual respect, self-esteem, leadership, and physical wellness.

What Is Wesleyan?

Founded in 1890 and located in the Allegheny Highlands of north central West Virginia, the foothills of the Appalachian Mountains, West Virginia Wesleyan College continues a long and rich tradition of intellectual inquiry and personal growth that prepares men and women of diverse backgrounds and interests to meet the challenges of a changing world.

Each year, over 1,500 students and 100 faculty assemble on campus to form a new community of learners. Wesleyan's historic ties with the United Methodist Church are reaffirmed daily in a campus intellectual life characterized by open and free discussion of the values, issues, and choices that confront today's educated person.

What Can Wesleyan Do For You?

The College is concerned about you as a person, about the quality of life you will lead in the future, and about the contribution you will make to the society of which you are a part. It stresses respect for the dignity of persons, inquiry into the meaning of life, and social responsibility—all in an environment that visitors describe as "uncommonly friendly." This friendliness, however, does not prevent Wesleyan from expecting a great deal from you: integrity, initiative, compassion, flexibility, curiosity, humor, hard work, and a capacity for joy.

The College's educational program is firmly rooted in the liberal arts tradition that combines breadth of learning across the major areas of knowledge with depth of understanding in a chosen area of concentration. Most important, a Wesleyan education empowers students to confront the unknown and to continue their quest for knowledge throughout their lives. The confidence students gain from an excellent education and the social interaction the College provides prepares them to become future leaders.

What Learning Environment Does Wesleyan Provide?

Wesleyan's campus facilities are among the most comprehensive and modern in the region. Wesley Chapel, with its soaring steeple and Georgian design, sets the style of the

campus. In all, some 32 buildings are owned and operated by the College, including eight academic buildings and ten residence halls. The campus' oldest building, Agnes Howard Hall, was built in 1895; its newest is currently under construction.

Special mention should be made here, perhaps, of the Christopher Hall of Science, home of Wesleyan's outstanding programs in biology, chemistry, computer science, engineering physics, mathematics, physics, and psychology. Laboratory facilities are well equipped and thoroughly modern. Visitors are intrigued by the building's planetarium, herbarium, and greenhouse facilities. The College's computing center includes state-of-the-art microcomputer laboratories as well as the mainframe VAX 11/750 and Microvax 3800 and 3900 to support instructional, administrative and library uses.

The Loar Memorial Building provides classrooms, practice rooms, and generous private studios for vocal and instrumental faculty in the Department of Music. Its recital hall seats audiences of 165 for student and faculty recitals, and its memorial lounge provides an excellent setting for more formal gatherings.

The A. M. Pfeiffer Library maintains a collection of over 145,000 volumes and subscribes to 655 current periodicals and newspapers. Its own holdings are accessed via computer terminals using the ATLAS system from Data Research Associates. EPIC and DIALOG, online services which provide subject access to more than 220 million sources, allow access far beyond the Wesleyan campus. A number of databases on CD are available, as well as a microcomputer lab containing IBM PC's, Macintoshes, and terminals for the College's VAX mainframe system.

Other key facilities are described elsewhere in this publication. Together they provide a nearly ideal setting for a college program that prides itself in its excellent educational offerings, its outstanding faculty, and its wide variety of cultural, social, and athletic events.

WESLEYAN ACCREDITATION

West Virginia Wesleyan is accredited by the North Central Association of Colleges and Schools and approved by the University Senate of The United Methodist Church. The College holds membership in the National Association of Schools of Music and is approved by the West Virginia Department of Education and the National Council for the Accreditation of Teacher Education. The College participates in the Interstate Certification Project, whereby a number of states now certify teachers graduating from Wesleyan's Department of Education. Wesleyan's nursing program is accredited by the National League for Nursing and the State of West Virginia Board of Examiners for Registered Nurses.

The College is a member of the National Association of Independent Colleges and Universities, the American Association of Colleges for Teacher Education, the National Association of Schools and Colleges of the United Methodist Church, Campus Compact, and the Council of Independent Colleges.

Wesleyan's athletic programs are affiliated with the West Virginia Intercollegiate Athletic Association, the National Association of Intercollegiate Athletics, and the National Collegiate Athletic Association, Division II.

Admission

Wesleyan seeks students with inquiring and creative minds who will profit from a liberal arts program in an atmosphere of freedom with responsibility.

Students are selected by the Office of Admission on the basis of ability, interests, academic preparation, character, and promise, as indicated by their own statements on the application, as well as by high school or college records, recommendations, and standardized test results. Since applicants are considered on their own merit, the College invites applicants for admission to supply further evidence to indicate their competence and eagerness to deal with a demanding and exciting program.

Open without discrimination to all qualified students, the College reserves the right to refuse to admit any applicant who, because of low scholarship or citizenship record, is deemed by the Committee on Admission and Academic Standing unlikely to succeed within the standards the College seeks to maintain.

High School Graduates

Persons wishing to be admitted directly from high school should present the following items to the Director of Admission:

1 An application for admission on a form furnished by the College with the $25 fee (non-refundable).

2 A transcript of record from an accredited high school showing courses pursued, grades earned, and credits earned in at least grades 9 through 11. In addition to any transcript used in the application process, a final copy certifying graduation must be submitted prior to actual enrollment.

3 A record of either SAT (Scholastic Aptitude Test) or ACT (American College Test) scores.

Applicants for the Special Support Services Program may request details about additional application requirements and deadlines from the Office of Admission.

Applicants from non-accredited high schools or completing General Educational Development testing may be considered for admission if satisfactory ability and achievement are demonstrated.

Transfer Students

Persons seeking to transfer from another accredited college or university may be admitted to advanced standing upon presentation of the following items to the Office of Admission:

1 An application for admission on a form furnished by the College with the $25 fee (non-refundable).

2 An official transcript showing all credits attempted at all post-secondary institutions previously attended.

3 A high school transcript certifying graduation and showing courses pursued and grades earned and, if the cumulative college grade point average is less than 2.5, either SAT or ACT scores.

Wesleyan will accept for transfer credit courses compatible with its academic program. Grades and hours so earned shall count toward graduation. Nursing transfer students should refer to the nursing program in this catalog.

Credit for courses taken in non-accredited institutions may be held for one academic year pending successful performance (C average) on work taken at Wesleyan. The Committee on Admission and Academic Standing may require examinations to demonstrate satisfactory knowledge of such courses.

Admission With Associate in Arts Degree

Students who transfer to Wesleyan with an A.A. degree from a regionally accredited community or junior college may be admitted with the degree credited as fulfilling Wesleyan's general education requirements when the total educational background, including high school record, shows compatibility with Wesleyan's general education requirements. Obvious deficiencies in general education requirements must be minimally met. West Virginia Wesleyan College does not accept more than 68 semester hours of credit from a junior or community college.

Readmission of Former Students

Former students who were in good standing may be readmitted upon completion of the appropriate forms in the Admission Office.

Former students who were not in good standing may seek to be readmitted after meeting the conditions stated at the time of dismissal and upon completion of the appropriate forms. Transcripts of any credits completed at other institutions of higher learning should be filed with the application for readmission, which is available upon request from the Office of Admission.

Other Classifications

International Students

Students whose primary language is not English should be aware that Wesleyan conducts all of its instructional program in English. However, the College offers an

English Proficiency Program which provides a limited basic program for the learning of English as a second language. Therefore, applicants from abroad will be required to certify their language competency through a TOEFL score of 550, or they may be required to enroll in courses in the English Proficiency Program. This program carries an additional fee. Information on required standards and a special application form are available from the Office of Admission.

Alternative Entry Program

The Alternative Entry Program is designed to meet the needs of those persons 25 years of age or older who are interested in pursuing an academic degree program. Alternative Entry allows the possibility of life experience and noncollegiate educational credits being applied towards the degree, based on the student's background and work experience. Such evaluations will be made by the student's advisor and the AEP coordinator. Contact the Academic Affairs Office for more information.

Conditional Admission

At the discretion of the Director of Admission and the Dean of the College, students may be admitted conditionally or on academic probation. All restrictive conditions will be specified at the time of admission. Those who fail to meet the conditions or maintain a satisfactory record may be dismissed. See the Academic Probation section in this catalog for details.

Special Category

Students wishing to take one or more courses without pursuing a degree from Wesleyan must submit a special student application for each semester of course work desired. No student financial aid is available for special category students. Contact the Office of Admission for details about the simplified application process.

Advanced Placement By Examination

The College participates in the Advanced Placement Program of the College Entrance Examination Board. Students who have taken and satisfactorily passed college-level courses in high school and who have passed the Advanced Placement Examination of the Educational Testing Service at the level of three or higher may apply to the College for credit or advanced placement in these subjects. These examinations are administered in the spring. Applicants must have results sent to the Office of Admission for verification prior to the fall semester.

Wesleyan has adopted an extensive program of credit by examination which includes the Advanced Placement Program as well as the College Level Examination Program (CLEP). See the section entitled Academic Program for more information on credit by examination as well as credit for noncollegiate study and for educational experience in armed services.

Expenses and Financial Aid

Expenses

Application Fee

The application fee for admission is $25.

Enrollment Deposit

All new students, including freshmen, transfers and readmits, shall make an enrollment deposit with the Admission Office in the amount of $100. This deposit will be treated by the Bursar's Office as an advance payment against the student's semester account. The deposit may be refunded to prospective students who notify the College in writing of withdrawal not later than May 31.

Orientation Fee

To cover the cost of the Orientation program, all new students pay an additional charge of $100 each.

Estimate of Expenses

1994-95	Semester	Year	Summer School
Instruction	$7,100	$14,200	See text
Room (Double Occupancy)	875	1,750	$50/Week
Board	1,013	2,025	100/Week
Total	$8,988	$17,975	

This estimate does not include books, travel, clothing, medical reimbursement insurance, amusements, and other personal expenses.
The College reserves the right to change any of the charges at any time.

Instructional Charge

The instructional charge (1994-95) is $7,100 per semester for all students carrying from 12 through 18 semester hours of work. For students carrying fewer than 12 semester hours of work, the charge is $595 per semester hour. For each semester hour carried in excess of 18, the charge is $200.

The instructional charge for courses taken during the summer session is $265 per semester hour for 1 to 4 hours, $240 per semester hour for 5 to 8 hours, and $215 per semester hour for 9 to 12 hours.

There are special charges for private instruction in any course not regularly scheduled. Registration for such a course is permitted only in the most extraordinary cases, and must be approved in advance by both the Dean of the College and the instructor involved.

The instructional charge for graduate study in the M.B.A. program is $275 per semester hour.

Miscellaneous Fees

Applied Music Fee
For individual instruction in Music the charge is $150 per credit hour.

Auditors
Auditors pay $50 for any course audited. However, if an audited course does not constitute an overload for a regularly enrolled student, no audit fee is required. If any portion of the course audited represents an overload, the full fee of $50 shall be due.

Automobile Registration Fee
The automobile registration fee is $25 per year.

Breakage and Damage to Property
A charge will be made to cover cost of equipment broken in laboratories.

A charge will be made to cover any damage done to college property beyond the wear caused by normal and proper use thereof. Damage in college housing not chargeable to an individual will be shared by occupants of the residence hall, floor, or other designated area.

English Proficiency Program
For enrollment in the English Proficiency Program the charge is $125 per credit hour.

Graduation and Diploma
During the registration period for the semester or summer term in which students complete requirements for a degree, they will pay a graduation and diploma charge of $45.

January Term
Students enrolled full time either first or second semester will incur no additional tuition charges for the January Term experience. Part-time students will pay the tuition charge of $300 per semester hour of credit.

Students residing in college housing and/or eating in college dining halls during the first and second semesters will incur no additional charge for room and board during January Term. Those students who are in college residence halls and/or eating in the college dining halls only one semester will pay one-half of the appropriate charge(s) for the January Term.

Late Application for Degree

A charge of $20 is made for any application for a degree filed less than 12 months prior to anticipated completion of degree requirements.

Late Registration or Preregistration

A charge of $50 is made for failure to register on dates designated; a charge of $25 is made for failure to preregister on dates designated.

Medical Reimbursement Insurance Service

An optional Medical Reimbursement Insurance is available for students who need such coverage. (See Health Services in the Student Life section.)

Room Deposit

Enrolled students who desire to live in college housing shall pay a room deposit in the amount of $100 not later than the last day of spring semester exams each year. This deposit will apply toward the student's account for the following semester. This deposit may be refunded if the student notifies the College in writing not later than July 1 that he or she is withdrawing from college.

Special Support Services

Students accepted into the Support Services Program for learning disabled students are charged $1,850 per semester for the first year of participation and $1,000 per semester for the second year. The charge for the third year is $500 per semester and for the fourth year, $250 per semester.

Teacher Education Fee

All students in teacher education will pay a $160 fee for the semester in which they do student teaching.

Transcripts

One transcript of a student's record is furnished free. A charge of $3, payable in advance, is made for each additional transcript. An application for a teacher's certificate completed by the College constitutes a transcript.

Terms of Payment

As a means of providing experience and emphasizing punctuality and responsibility in business matters, the College prefers to deal directly with students rather than with their parents.

Students will be billed in advance of each semester (July and December) by the Office of the Bursar for tuition, fees and other applicable charges. Early payment is urged to ensure that adequate financial arrangements are complete, thereby simplifying registration procedures. All payments are due by the time of registration. Any student not meeting this requirement, who has guaranteed financial assistance from an authorized agency outside the College, must present a letter of guarantee to the Bursar on or before the day of registration. For those who prefer a monthly payment plan,

the College makes such a service available through Academic Management Services, a private corporation. There is no interest charge; however, a $50 annual fee is charged to cover the administration of the program as well as Life Benefit Coverage. Information concerning this plan may be obtained from the Bursar's Office.

Students with unsettled accounts will not be permitted to preregister or register for a subsequent term or semester.

Students are not eligible to receive transcripts of credits or diplomas until all charges are paid in full.

Refunds

Funds in excess of institutional costs are refunded to the student after the schedule change period and must be requested in writing. In view of the fact that charges paid by students cover much less than the total operating cost of the College, refunds are subject to the following regulations:

1 For a student withdrawing from the College because of illness, or for other honorable reasons considered adequate by the College, the following refund schedule will be used:

Summer School & January Term

Within 3 class days .....80% of tuition refunded
4 to 6 class days .....60% of tuition refunded
7 to 9 class days .....40% of tuition refunded
After 9 class days.....No refund

First and Second Semesters

Within 2 weeks.....80% of tuition refunded
2 to 4 weeks .....60% of tuition refunded
4 to 6 weeks .....40% of tuition refunded
After 6 weeks .....No refund

(Students making schedule changes moving them from full-time to part-time status or reducing their part-time load after the first five days of a semester or the first two days of a summer term will receive refunds of the difference in instructional charges according to the schedule listed above for withdrawal from the College.)

2 A student withdrawing from the College during a semester or summer term for any reason other than those stated in 1 above will receive no refund of instructional charges.

3 A student withdrawing from the College during a semester or summer term will receive no refund of charges for room.

4 A student withdrawing from the College during a semester or summer term, for any reason, will be refunded a part of the charges for board proportionate to the number of days of the semester or summer term remaining after the meal ticket is surrendered.

5 A student dismissed for disciplinary reasons will receive no refund of any charges, except for board, as provided under 4 above.

6 A student asked to vacate a residence hall room for disciplinary reasons will receive no refund of charges for room.

7 Special conditions related to the January Term are explained in the January Term catalog.

Scholarships and Student Financial Aid

Financial aid at West Virginia Wesleyan College is available on the basis of scholastic achievement, special talents and abilities, and financial need. Awards are given for a period of one academic year, beginning in September. Students must apply for all financial aid each year.

More detailed information is available from the Financial Aid Office or Admission Office. The following describes general guidelines and resources.

Requirements governing eligibility to receive financial aid: An applicant must be enrolled as a full-time student and must accumulate a minimum grade point average of 2.0 for institutionally funded aid. Recipients of federal Title IV aid must be enrolled at least half time, and their continued eligibility will be reviewed annually based on the cumulative grade point average related to credit hours attempted. Total institutional assistance cannot exceed billed costs (tuition, fees, room, board).

Procedure to follow when applying for financial aid: (1) When first applying, complete the West Virginia Wesleyan Application for Admission and return it to the Admission Office. (2) Carefully complete the need analysis forms and submit them before March 1 to receive primary consideration from available resources. (3) Sign and return to the Financial Aid Office the Award Letter, which outlines the financial aid package to be awarded for the academic year.

General information: Financial aid awards for entering students are announced beginning in March; awards for returning students are made on a rolling basis pending receipt of required information. Aid reapplication forms will be made available to on-campus students in advance of scheduled deadlines.

The College will credit any funds received to the student's account until all institutional charges have been paid, subject to program limitations. Grants and scholarships will be credited to the student's account (half each semester or as stated); loans will be credited to the student's account after the promissory note has been signed or the check endorsed. Student work earnings will be paid by check on the fifteenth day of the month following the month worked, and the student will be required to endorse the check to the College if a balance remains on the account. Federal regulations governing Title IV programs require that financial information for selected applicants be verified before funds can be credited to a student. If selected for verification, students and parents will be notified concerning required documentation and the steps to complete the process.

Scholarships

Wesleyan Scholars Program: To recognize and encourage academic excellence, merit scholarships providing full tuition, room and board, and various other benefits are awarded annually to outstanding incoming freshmen. These are renewable for four years based on continued exceptional academic performance and Honors Program participation. Information on the application process is available from the Admission Office. The deadline for application is February 1 with selection in March.

Presidential Merit Scholarship Program: To recognize significant academic achievement and extracurricular involvement, scholarships of $7,000 and up per academic year are awarded to outstanding freshman and transfer students. Students meeting the academic criteria will be awarded scholarships which can be renewed annually based on continued high academic performance and extracurricular involvement. Information on the application process, required standards, and renewal requirements is available from the Admission and Student Aid offices.

Wesleyan Academic Scholarships: Renewable merit awards of $3,000 and up per academic year are made to students who demonstrate strong academic performance and leadership capabilities.

Wesleyan United Methodist Scholarships: To recognize academic performance of United Methodist Church members, the College awards scholarships to eligible students who show academic promise and leadership potential.

Wesleyan Grants: These awards assist full-time applicants who show financial need.

Performing and Visual Arts Scholarships: These recognize superior contributions to the campus in music, art, and drama.

Athletic Scholarships: These recognize achievement in intercollegiate athletics.

Ministerial Dependent Scholarships: These provide one-half tuition aid at Wesleyan for unmarried dependent children (under age 23) of the following members of the West Virginia and Western Pennsylvania conferences of the United Methodist Church: full-time ordained ministers, full-time local pastors with at least three years of service, diaconal ministers, and conference missionaries. They provide one-fourth tuition aid for dependents of such members of other conferences of the United Methodist Church.

National United Methodist Scholarships: The Board of Higher Education and Ministry of The United Methodist Church annually awards several West Virginia Wesleyan students (usually upperclassmen) scholarships of $500 to $750 each. In order to qualify, a student must meet the general requirements for admission to the College, have been a member of The United Methodist Church for at least one year prior to date of application, be outstanding in Christian motive and purpose, and rank high in scholarship. National United Methodist Scholarships may be renewed, subject to the same conditions as govern original awards. Funds for this program come from the annual Methodist Student Day offering for the Student Loan and Scholarship Fund.

Nursing Scholarships: These are awarded to outstanding students who plan to major in nursing.

Restricted Scholarships: Various special and restricted scholarships have been established at Wesleyan. These vary in amount and are awarded by the Director of Financial Aid according to specific criteria of the donors. Awards are made on the basis of information contained in the financial aid file, so additional applications are not required.

Dr. H. Pat and Betty Lou Furr Albright Scholarship
Harold D. and Lois Flanagan Almond Scholarship
Nora Amundson Memorial Scholarship
Lelia Rosa Bailey Scholarship
Sophia Banes Scholarship
Brian Michael and Christopher Alan Barosh Scholarship
Bayard United Methodist Church Scholarship
Beckley District United Methodist Scholarship
John L. Bennett Scholarship
James Nathan Berthy, Jr. Memorial Award
W. Chilton Bobbitt and Alta Heaton Bobbitt Scholarship
Kathryn Bodie Scholarship
Brooke Family Scholarship
Burgess Property Scholarship
Basil Burns Scholarship
Caldabaugh Family Scholarship
Centennial Scholarship Fund
Class of 1940 Centennial Scholarship
Class of 1959 Scholarship
Class of 1960 Scholarship
Joe Merrells Cox Drama Award
Maggie Merrells Cox Scholarship
Nelson and Nina C. Cox Scholarship
C. Ross Culpepper Scholarship
Olive O'Dell Culpepper Trustee Scholarship
The Reverend & Mrs. M. H. Cummings Memorial Scholarship
M. and H. Cummings Nursing Scholarship
Scott Munson Cutlip Scholarship
Hazel Cline Dillon Scholarship for Women
George and Virginia Dixon Scholarship
Pearl Dorsey Scholarship
Lionel and Margaret Driscoll Scholarship
Ira G. Duncan Scholarship
Thomas B. Dunn Scholarship
Hank Ellis Scholarship
Everett's West Virginia Scholarship
Falls Mill Weston District Scholarship
Bonnie Farnsworth Scholarship
William Drummond Foster Scholarship
D. W. Fox Scholarship
Laura Hortense Frazer Scholarship
Edith Leona Freeman Scholarship
Eliza Logan Frissell Scholarship
Kathleen M. Fulk Scholarship Fund
Thorold S. Funk Scholarship
James W. and Virginia Holloway Furbee Scholarship
G. E. Gaston Scholarship
Marie Gaston Memorial Scholarship
William H. Gilmore Scholarship
Mary Katherine Gleason Scholarship
Dr. L. S. Grose Memorial Scholarship
Thaddeus Gurdak Scholarship
Sherman Hagaman Scholarship
Dr. William A. Hallam Scholarship
Hammer Sisters Scholarship for Education
Teresa B. Hanes Scholarship
Mary Elizabeth Hardesty Nursing Scholarship
Arnim C. Hinkle Scholarship
Irma Holderby Scholarship
Bill Hughes Tennis Scholarship
Nicholas Hyma Scholarship
Myron B. and Cecile West Hymes Memorial Scholarship
Pearl Lowe Johnson Scholarship
E. Ray Jones Scholarship
Professor J. E. Judson Scholarship in Biology
George A. Kinley Scholarship
Kirchner Memorial Scholarship
Hugh A. and Alice Latimer Scholarship
James P. and Ruth F. Law Scholarship
Dorothy Lee Scholarship

Ross and Ruby Linger Scholarship
Allison Linkinogger Memorial Scholarship
G. W. Loar Scholarship
Judson H. Loar Scholarship
Mary G. Loar Scholarship
E. Kidd Lockard Scholarship
Glen W. Maddy Scholarship
Mahan Scholarship
Thomas Allen Manfuso Scholarship
Stanley H. Martin Scholarship
William Burdette Mathews Memorial Scholarship
Reta Heavner Maxwell Scholarship
Esther T. McAllester Scholarship
McCune Foundation Scholarship
McCuskey Memorial Scholarship
Flora E. Miles and Agnes M. Davidson Scholarship
B. M. and Elizabeth Mitchell Scholarship
Charles D. Munson, Jr. Memorial Scholarship
Geraldine Ella Smith Muscari Memorial Fund
Virginia Rexrode Myles Scholarship for Music and Performing Arts
Howard D. and Audrey Holden Naylor Scholarship
Mary Martha O'Brien Scholarship
P.E.O. Scholarship
Okey Patteson Memorial Scholarship
Pickens Memorial Scholarship
Herbert L. and May Virginia Price Memorial Scholarship
J. Roy Price Scholarship
Floyd and Eunice Prunty Scholarship
E. K. and L. E. Tenney Reed Family Scholarship
Phares and Edythe Pauley Reeder Scholarship
David E. Reemsnyder Memorial Scholarship
Earl G. Rees Scholarship
Lilly King Reger Scholarship
Robert H., Gwen F., and William C. Reger Scholarship
Stanley and Eva Rexrode Scholarship
William H. and Daisy M. Robinson Scholarship
Hilary Rodgers Scholarship
G. I. Rohrbough Memorial Scholarship
Sam Ross Memorial Scholarship
Gertrude D. Roush Scholarship
Dean H. Ruhlow Scholarship
French A. See Scholarship
Herb Sharp Circuit Rider Scholarship
Herb Sharp Scholarship Endowment
Floyd N. Shaver Memorial Scholarship
John C. Shaw Scholarship
David W. and Helen B. Sheppard Scholarship
Laman C. Shingleton Scholarship
Edna Sigley Scholarship
Flossie Snodgrass Memorial Scholarship
Leta Snodgrass Memorial Art Scholarship
Pauline H. Sprouse Memorial Scholarship
B. F. Standiford Scholarship
Norma Strader Stemple Memorial Scholarship
Okey J. Stout Memorial Trustees' Award
Glen and Mary Sutherland Scholarship
Allison Swisher Scholarship
Silas D. Tamblyn Scholarship
Rev. and Mrs. Albert Tenney Scholarship
Coy A. Thomas Scholarship
Matthew Thompson Memorial Scholarship
B. T. Trevey Scholarship
Ada K. Tuckwiller Scholarship
William and Jennie Thomas Waggy Scholarship
Carl C. Weber Scholarship
Carl G. Weltman Scholarship
Calvin A. West Scholarship
West Virginia Conference Centennial Scholarship
West Virginia Wesleyan Permanent Endowment Fund
Frank E. Williams Jr. Scholarship
Katherine L. Williams Scholarship
Geraldine C. Willis Scholarship
Chloe Cook Workman Wallet Memorial Scholarship
Mabel Snodgrass Workman Scholarship
Dr. M. Arthur Workman Scholarship
Lillian Mayfield Wright Scholarship
Elizabeth Zumbrunnen Scholarship

The Mason Crickard Scholarship: The Greater Kanawha Valley Foundation, a non-profit, charitable foundation located in Charleston, West Virginia, awards scholarships from a trust established by Mason Crickard, Wesleyan Class of '07. The recipients of these competitive grants are students who demonstrate good character, scholastic ability, and leadership potential. In accordance with the provisions of the will establishing the fund, preference is given to residents of Randolph County, Upshur County and the area comprising The Greater Kanawha Valley in West Virginia. Award amounts depend, in part, on the demonstrated need of the recipient. Application information may be obtained in the Financial Aid Office.

Grants

Various grants for educational support are available to qualified students from state and federal sources or are awarded by the College to students manifesting special talents or abilities. Wesleyan funds require the annual maintenance of a 2.0 average; requirements of other programs vary.

Program Leadership Grants recognize and support student leadership in some co-curricular programs of the College, including chapel, publications, radio and forensics.

Pell Grants are made available by the federal government to students meeting eligibility criteria based on data submitted on the accepted need analysis forms. Students must be enrolled at least half-time in an undergraduate program. Notification of eligibility is mailed directly to the student with instructions to supply this notice to the Director of Financial Aid in order to receive the grant.

Supplemental Educational Opportunity Grants are awarded annually by the College under a federal program to undergraduate students with exceptional financial need. The grants range from $100 to $4,000, with amounts determined by the need of the student.

State Grants are available from various states for use at Wesleyan. All students should inquire into this possibility. West Virginia, Massachusetts, Connecticut, Pennsylvania, and Vermont are some whose residents receive state grants at Wesleyan. West Virginia residents should be sure that need analysis forms are submitted by March 1 and that high schools mail early the grade report forms to the West Virginia Board of Regents.

Student Employment

Work opportunities for students are offered in almost all areas of the college community. Work study awards vary in amount according to job placement and hours scheduled. The federal minimum wage is paid. Financial need is not the only criterion, but a financial aid form is required for placement.

Loans

Educational loans offer the possibility of meeting college costs with borrowed money, to be paid back after graduation, usually with favorable repayment terms. Because of periodic revisions in federal programs, students should inquire for more specific information about such loans.

Perkins Loans (formerly National Direct Student Loans) offer up to $2,000 per year from available federal funds for students with exceptional financial need.

Stafford Loans (formerly Guaranteed Student Loans) are intended to make loan money available to students enrolled at least half time in college. Up to $2,625 a year for the first two years, and up to $5,500 a year thereafter is available, with repayment at a favorable interest rate beginning six months after the borrower ceases to attend college. Eligibility for a Stafford Loan is determined by calculating need, based on an appropriate needs analysis. The College will certify the cost, financial aid received, and the calculated family contribution to determine the loan amount for which the borrower is eligible.

Stafford Loans (unsubsidized) are available for students who do not qualify for the federal interest subsidy. The student is responsible for interest payments, and loan amounts are up to $4,000 for the first two years and $5,000 per year thereafter.

Parents Loans for Undergraduate Students and Supplemental Loans for Students assist families and independent students to assume financial responsibility for their own college education. A parent or independent student may borrow up to $4,000 a year with repayment beginning within sixty days. Repayment can frequently be deferred upon request. Applications are available at participating banking and lending agencies.

United Methodist Student Loans, for up to $1,000 per calendar year, are made available by the Board of Higher Education and Ministry to eligible United Methodist students through the college Financial Aid Office.

College Loan Funds have been established by donors wishing to assist Wesleyan students to fulfill their educational goals. These monies are administered by the Director of Financial Aid.

Claude Worthington Benedum Loan Fund
Christopher Loan Fund
Iva Cooper Gould Loan Fund
Charles and Mary Lou Grant Loan Fund
Hartley-Perine Loan Fund
Benjamin Haught Revolving Loan Fund
Eva I. King Loan Fund
Liggett Memorial Loan Fund
James Mahood Loan Fund
Mr. and Mrs. L. H. Morrison and Daughters Loan Fund
Lilly Riggs Loan Fund
Tetrick Student Loan Fund
Mary E. Webb Loan Fund
Wesleyan Student Loan Fund
Guy Wilson Loan Fund

Other Sources of Funds

Students are urged to explore scholarships from local fraternal organizations, parent-teacher associations, church-related groups, businesses, corporations, veterans' associations, or other funding agencies.

Disbursements/Refunds

All financial aid, including loans, is applied to the student's account to cover institutional costs. Refunds to students withdrawing prior to completing the term or reducing credit hours to below full-time status are in accordance with institutional policy and certain federal and state regulations. All Title IV funds awarded (Pell, SEOG, Stafford, Perkins, and CWS) are refundable according to Title IV program regulations. Institutional and state monies are refunded consistent with the refund period in effect at the time of the request. Complete information is available in the Financial Aid Office.

HAGGAR

Student Life

The College considers community living, co-curricular activities, and campus leadership as significant complementary elements of a liberal arts education. The College is committed to a challenging academic program in a residential setting that helps students appreciate diversity, accept responsibility for their own actions, respect the value of community life, and exercise their leadership capacity.

The Chapel and Religious Center

It is no accident that Wesley Chapel is located at the center of the campus. The Chapel affirms Wesleyan's commitment to the integration of intellectual, emotional, and spiritual concerns.

Every Tuesday of the academic year the campus community is invited to worship at Wesley Chapel. Worship services, conducted by the Dean of the Chapel, guest speakers, and student leaders, challenge both intellectually and spiritually. The popular Chapel Choir, directed by a student, provides music representing a wide variety of styles. Roman Catholic Mass is celebrated each weekend on campus.

Wesley Chapel, the site of all-campus convocations, cultural events, and celebrations, also sponsors activities such as the Peace Education Committee, which recognizes through the Wesleyan Peace Award persons who make outstanding contributions to the promotion of peace and justice; the Christian Life Council, which plans special events and programs; Sigma Theta Epsilon and Kappa Phi (Christian service organizations); LoveShine (putting the Christian message into dramatic and musical form); Intervarsity Christian Fellowship; and Wesley Foundation.

Martin Religious Center houses the Office of Volunteer Programs and the Bonner Scholar Program that support community service activities throughout the area for students. The Center also contains the Meditation Chapel, open for use by students and college staff in small group worship and private meditation.

Wesleyan is open to persons of all faiths. Wesley Chapel and Martin Religious Center stand as symbols of both our Christian identity and our openness to religious diversity.

The Physical Education Center

The John D. Rockefeller IV Physical Education Center is one of the finest small college sports complexes in the country. Its main gymnasium, seating more than 3,700 spectators, accommodates intercollegiate basketball, volleyball and, with its portable stage, concerts and large-scale events. The Center also contains an auxiliary gym, an indoor Astroturf facility, an anatomy and physiology laboratory, athletic training rooms, four racquetball courts, an indoor tennis court, an indoor golf practice area, sauna baths, a dance studio, a cheerleading room, a free weight room, and a weight room containing an impressive array of exercise equipment.

Rockefeller Center is home of the College's 17 intercollegiate varsity sports, an Adult Fitness program, and an extensive intramural program. The college pool is located in the adjacent Campus Center.

Health Services

Barnhart Memorial Health Center provides out-patient medical treatment with registered nurses and local physician coverage during daytime office hours. When students are admitted to Wesleyan, they must submit a physical examination and immunization report.

Accidents or cases of serious illness which occur during hours when the Health Center is closed are referred to the emergency room at St. Joseph's Hospital, which provides 24-hour emergency service. All students receiving medical care from local providers must assume the responsibility of payment directly to the physician or hospital from personal funds or through their hospitalization programs. The College cannot assume responsibility for prolonged or specialized medical care or for hospitalization.

Accident insurance will be required for all students through a college-offered plan, and sickness insurance must be provided through parents' policies (on a negative waiver basis) or through a college-offered plan.

The Campus Center

The Benedum Campus Center is a place of recreation, relaxation, and work. It houses the College Bookstore, Post Office, radio studios, and snack bar (known as the SCOW), as well as facilities for swimming, bowling, billiards, pinball, and reading. Offices of the student newspaper, yearbook, student government association, Dean of Student Development, and various student life staff are located in the Center.

Most of the campus social and cultural programming is coordinated by the Director of Campus Activities and Campus Activities Board. Each weekend, entertainment such as concerts, variety shows, comedians, dances, and box office films is presented. Other activities include recreational trips, athletic tournaments, game nights, and student talent shows. In addition, box office films are scheduled on the College's television cable system.

Cultural Events

The Lively Arts Committee and Campus Activities Board together provide the campus with numerous cultural activities, including concerts, dramatic productions, musical performances, modern dance and ballet, and lectures. Touring artists such as Ballet Hispanico of New York, North Carolina Dance Theatre, West Virginia Symphony Chamber Orchestra, and National Theatre of the Deaf, as well as residencies by artists and writers have brought excellence to the campus in recent semesters.

Community Council

The coordination of campus activities and organizations is the responsibility of Community Council, an organization perhaps unique to the Wesleyan campus. Made up of student representatives as well as representatives of campus organizations, the faculty, and the administration, this body meets weekly to facilitate campus communication and to provide leadership dealing with campus problems and issues. Meetings of Community Council are open to all who are interested.

Student Activities

Students are urged to become involved in any of a wide range of activities and organizations. For example, Wesleyan men and women participate in a total of 17 intercollegiate sports and support an active and competitive intramural program. Wesleyan's musical organizations—Concert Chorale, Concentus Vocum, Concert Band, and Jazz Band—have received recognition throughout the eastern United States. Interest runs high in these and other musical ensembles.

Individual events in the forensics program have brought home a number of national trophies. Students interested in drama may audition for any of a number of major productions or student-directed performances each year, or the annual children's theatre production. Students interested in journalism and communications find their way to the offices of the *Pharos*, *Murmurmontis*, and *no go the rickshaw*, the campus newspaper, yearbook, and literary magazine, or to the campus radio station, C92, and the television production studio.

Four national social fraternities maintain fraternity houses near the campus: Chi Phi, Kappa Alpha Order, Phi Sigma Phi, and Theta Xi. Four national sororities occupy meeting suites in a special wing of Holloway Hall: Alpha Delta Pi, Alpha Gamma Delta, Alpha Xi Delta and Zeta Tau Alpha.

Departmental organizations include the Economics Club; Human Ecology Club; Student National Education Association; Student Nurses of Wesleyan; Benzene Ring (Chemistry); Delta Psi Kappa (Women's Athletics); Phi Alpha Theta (History); Music Educators National Conference; Sociology Club; Kappa Phi (Christian Women); and Sigma Theta Epsilon (Christian Men).

Interest groups recognized as campus organizations include the American Marketing Association, Black Business Student Association, Black Student Union, College Republicans, Environmental Club, 4-H Club, International Student Organization, Peace Education Committee, Pre-Physical Therapy Club, Public Relations Club, and Young Democrats.

Honors, Awards and Honorary Societies

Wesleyan has chapters of a number of honorary societies: Alpha Lambda Delta (Freshman Scholarship), Alpha Psi Omega (Dramatic Arts), Beta Beta Beta (Biology), Delta Mu Delta (Business), Delta Sigma Rho-Tau Kappa Alpha (Forensics), Gamma Sigma Alpha (Greek Women), Kappa Delta Pi (Education), Kappa Omicron Nu (Human Ecology), Lambda Pi Eta (Communication), Mortar Board (Leadership), Omicron Delta Epsilon (Economics), Omicron Delta Kappa (Leadership), Pi Gamma Mu (Social Science) Psi Chi (Psychology), Sigma Alpha Iota (Women in Music), Sigma Theta Tau (Nursing), and Sigma Tau Delta (English).

A special Awards Convocation is held annually at the College. The following honors and awards are among those presented to Wesleyan students who have distinguished themselves during the academic year:

Outstanding Seniors
Sheridan Watson Bell Religious Life Influence Award
Pamela Thorn Memorial Humanities Scholarship
Senior Activity Keys
International Student Ambassador
Senator Jennings Randolph Scholarship
Academic Departmental Recognitions
Honorary Association Awards
Sam Ross Scholar-Athlete Award
Who's Who Among Students in American Colleges and Universities
Wesleyan Spirit Awards
William B. Hatfield Fine Arts Award

Student Services

The Student Development staff believes that social maturity and value clarification are important aspects of the student's intellectual and personal development. Services include career planning and placement, intercultural student programming; personal counseling and assessment; housing of students and residence hall programs; campus activity programming; health, wellness and medical programs; and campus safety.

Orientation

The orientation program is designed to assist freshmen in making a successful transition from high school to college, and to assist transfer students in making a satisfactory adjustment to a new environment. The program includes general information, academic advising, counseling, registration for classes, and time for purchasing books and supplies. All new students are expected to attend the orientation session. (See Calendar for dates.)

All freshman students participate in the Freshman Seminar for the first eight weeks of their initial semester at Wesleyan. Students meet weekly in small groups with a faculty leader and two upperclass students who are prepared to assist new students achieve success.

Counseling Services

The objectives of the Counseling and Wellness Center are to assist students in resolving personal and educational concerns, developing self-management and interpersonal skills, and developing ways to improve their well-being. A variety of services is offered, including individual and group counseling, educational programs and resource materials on a variety of important issues, support groups, and a comprehensive drug and alcohol education program. These services are free and confidential.

If a student needs specialized services not available on campus, the staff will make an appropriate recommendation or referral.

A brochure listing all services and staff members is distributed annually.

Career Planning

Students are encouraged to begin the process of career planning as early as the freshman year. Experienced advisors help students learn how to plan effectively for career decision-making and assist students with the assessment of job and career opportunities.

A library of career materials and a computerized career exploration and decision-making program are available. Students may also become acquainted with career services by registering for the one-credit Career Planning Seminar offered each semester.

Internships, Study Abroad and Placement

The learning experience of many students is enhanced by internships on campus, in the local community or in other professional settings, as well as by study abroad. The Career Services Office maintains a library of materials to help students explore opportunities.

A comprehensive placement service is provided for seniors and graduates. Seminars are offered to prepare graduates in job search skills, resume writing, and interviewing. Placement credentials are kept on file for ten years from the date of graduation and recorded on microfilm thereafter. It is the student's responsibility to set up a placement file during the senior year. Files may then be updated with a current resume or recent references sent to the Career Services Office.

Learning Center

The Learning Center provides resources and learning aids for students of all abilities. The Center staff assists students through formal courses and informal workshops in improving their reading, writing, listening, and study skills.

In addition, the Center provides a Special Support Program for students with specific diagnosed learning disabilities. Information concerning this program is available from the Office of Admission.

Testing Service

The College provides testing services to assist students seeking course credit by examination, professional certification, and admission to graduate and professional programs.

West Virginia Wesleyan College is an approved testing center for the administration of the American College Test (ACT); Graduate Record Examination (GRE); Graduate Management Admission Examination (GMAT); College Level Examination Program (CLEP); Miller Analogies Test (MAT); National League for Nursing (NLN) tests; and the Praxis Series, which comprises the National Teacher Examination (NTE) and Preprofessional Skills Test (PPST) for teacher education. Information about these tests and the Wesleyan credit by examination program is available in the Office of the Registrar.

Residential System

Housing

The College houses approximately 85 percent of its students in seven residence halls and a complex of apartments and suites. Full-time students are required to live and board in college residence halls during the regular academic year. Students who live with their parents, married students, and a limited number of other students may request written authorization to live off campus.

Rooms in the residence halls are furnished with beds, mattresses, desks, dressers, closet space, and window shades. Telephone and TV cable hook-ups are included in the room charge. Students may subscribe to long distance service. Each residence hall maintains a lounge, a TV area, and laundry facilities.

College regulations and residence hall guidelines are found in the *West Virginia Wesleyan Student Handbook*. This publication is distributed to all students at the opening of the academic year.

Food Service

Campus dining is provided in the campus dining center, where meals and menus are provided by a contracted professional catering service.

All students residing in the residence halls, except for the Camden Avenue Apartments, must board on campus. Boarding on campus is optional for students living off campus.

The snack bar located in Benedum Campus Center provides light lunches, refreshments, and snacks during daytime and evening hours. Students have an option of enrolling for a modified meal plan that allows for regular meals to be taken in the snack bar. Specific information about the plan is available in the Student Development Office.

Rules for Living

From its founding and through its developing years, the College has been committed to the basic principles and standards established by The United Methodist Church and its West Virginia Annual Conference, as they relate to learning, social conduct, and cultural and spiritual enrichment.

The College reserves the right, privilege and responsibility for establishing and maintaining appropriate rules of social conduct.

Academic Integrity

The common enterprise of a college is learning. In all cases, it demands integrity. At Wesleyan, as in all academic communities, claiming another person's work as one's own is a serious offense subject to disciplinary action and even dismissal.

Alcohol and Other Drugs

The College prohibits the illegal use of alcohol and drugs on college property or property used by any recognized student or college group. Regulations regarding alcohol and drug use are contained in the *Student Handbook*, and adherence is expected of all students enrolled at Wesleyan. The United Methodist Church encourages abstinence from alcohol and illegal drugs and supports educational programs that inform and encourage abstinence. While abstinence may be preferred, the College acknowledges other choices that students may make with respect to alcohol use and works aggressively to educate students regarding community responsibility and Wesleyan's expectations for all members of the student body.

Social Responsibility

All individuals and/or groups of the West Virginia Wesleyan College community are expected to speak and act with respect for the human dignity of others, both inside and outside the classroom and in social, recreational, and academic activities either on campus or sponsored by the College.

West Virginia Wesleyan College will not tolerate any form of harassment or intimidation, including, but not limited to, sexual, racial, religious, or age discrimination. Attitudes of condescension, hostility, role-stereotyping, and sexual or racial innuendo are considered forms of harassment. Wesleyan will not tolerate acts of hazing or the exploitation of individuals or groups. The College affirms the principle of academic freedom and prohibits discrimination against individuals or groups because they express different points of view, but it also affirms that freedom of expression does not justify violating human dignity.

The College Judicial System

Rationale for Discipline

By applying for and accepting admission to West Virginia Wesleyan College, students voluntarily become part of a living and learning community based on mutual respect, honesty, and trust. The opportunity for free inquiry and free expression essential to the educational process exists only within a system of basic order that supports it. To maintain this requisite order, each member of the Wesleyan community accepts responsibility for personal actions and adheres to and respects the general regulations of the College as well as the laws of the larger society, including municipal, state, and federal statutes. When individuals fail to accept these responsibilities, the College will impose disciplinary sanctions in order to protect the campus community and to uphold the ideals and standards the College seeks to maintain.

Administrative Authority

The Board of Trustees of West Virginia Wesleyan College possesses by legal charter ultimate authority for the College. The Trustees have entrusted the President of the College with the responsibility and authority to develop and supervise the operation of the disciplinary function. The President, in turn, has designated the Dean of Student Development as the primary officer in charge of maintaining and supervising the judicial process.

Colleges and universities are not expected to develop disciplinary regulations written with the scope or precision of a criminal code. Rare occasions may arise when conduct is so inherently dangerous to the individual or to others in the community, or raises a substantial threat to the basic ideals and standards of the College, that extraordinary action not specifically authorized in the rules must be taken. West Virginia Wesleyan College reserves the right to take necessary and appropriate action to remedy serious academic or social problems, including disciplinary warning, disciplinary probation for a stated period, suspension or dismissal.

The standards and operating procedures of the judicial system are found in the Code of Conduct published in the *Student Handbook*.

Use of Cars

Any student enrolled at Wesleyan may operate a car at West Virginia Wesleyan but is required to register it with the College. Every motor vehicle driven by a student must have in force bodily injury and property damage liability insurance. Any student who makes reckless or improper use of a car, fails to register a vehicle properly, or consistently violates traffic standards will lose the privilege of driving while at Wesleyan.

Regulations describing the use of parking areas, restricted zones, time limits, and financial penalties for traffic violations are distributed annually to all students and staff. Traffic regulations and procedures are reviewed periodically by the Student Development Office and Community Council.

Academic Program

Academic Advising

During the first half semester of the freshman year, students are advised by their Freshman Seminar instructor. Thereafter, each student is assigned a faculty advisor in his or her particular field of study or in a closely related field. Students undecided about a major are assigned advisors who will help them explore their personal interests and set appropriate educational goals. Education is ultimately the responsibility of the learner, but the academic advisor supports the student by offering informed advice and by challenging plans still being formed. The advisor's "approval" of the student's program of study each semester acknowledges that discussion has taken place and that the student is aware of the consequences of his or her choices.

Plan of Study

General Studies Program

The general studies curriculum is designed to assure that each graduate of West Virginia Wesleyan College has achieved a broad educational foundation that includes meaningful exposure to the major areas of human inquiry. Students have a great deal of choice in selecting specific courses that satisfy the requirements below and are urged to satisfy some requirements by electing upper-division courses (300-level). (Students pursuing an Honors Degree should refer to requirements of the Honors Program that modify some of the prescribed general studies requirements.)

Goals

The general studies curriculum addresses nine broad educational goals that together form the shared foundation of a Wesleyan education. Specifically, the general studies program seeks

- **To assure that all graduates communicate clearly and with some appropriate measure of eloquence and force in both the written and spoken form** by providing a sound foundation in basic writing and speaking skills early in their undergraduate experience and reinforcing and expanding on these skills throughout the curriculum.

- **To enable graduates to make discriminating judgments about the relative worth of ideas and arguments** by providing a systematic introduction to critical thinking skills that emphasizes the relationship between evidence and sound conclusions.
- **To develop in graduates a critical appreciation for the ideas and values that are the foundation of Western and world culture** by introducing them to and causing them to examine critically representative philosophical and religious systems of knowledge and belief.
- **To enable graduates to appreciate culture—past, present, and future—as part of an ongoing process** by providing an historical framework that emphasizes the connectedness of events, people, and world conditions through time.
- **To expand the access of graduates to the richness of human creativity as expressed in letters and the arts** by exposing them to an expanded body of works and providing them basic critical tools with which to approach the unfamiliar.
- **To instill in graduates an appreciation for humankind's expanded ability to understand, interact with, and shape its physical environment** by involving them actively in quantitative and experimental approaches to problem solving and the physical universe in ways that combine theory and application.
- **To prepare graduates to live effectively as members of society** by developing an understanding of the personal and social dynamics that motivate people and of the social institutions through which people interact.
- **To prepare graduates to live effectively in a nation and world characterized by ethnic, racial, philosophic, cultural, linguistic, religious, and geographic diversity** by acquainting them with the contributions of representative groups and the issues that potentially divide people.
- **To enhance the desire and the ability of graduates to achieve and maintain physical and mental health** by involving them in activities that demonstrate the unity between physical and mental well-being.

Curriculum

Each candidate for graduation is required to satisfy the following distribution requirements; no single course may satisfy more than one general studies requirement.

Communication (the first three to be taken in sequence) **6-11 hrs.**

- Composition I (3 hrs.)
  (unless waived on the basis of test scores and high school composition grades)
- Composition II (3 hrs.)
- Fundamentals of Oral Communication (3 hrs.)
- Advanced Composition (2 hrs.) or enrollment in an approved departmental senior seminar or writing course.

Courses satisfying this requirement will be noted in the course descriptions.

Science and Mathematics **12 hrs.**

- Two laboratory courses in the physical or biological sciences (6 hrs.)
- Two courses in mathematics (100-level or above) (6 hrs.)
  OR
- One course in mathematics (100-level or above) and one course in computer science (6 hrs.)

Religion and Philosophy **6 hrs.**

- One course in religion (3 hrs.)
- One course in philosophy (3 hrs.)

Humanities and the Fine Arts **9 hrs.**

- Introduction to the Humanities (3 hrs.)
  (to be taken during the freshman or sophomore year)
- One course in literature (3 hrs.)
- Three semester hours in a single fine art
  (options: one 3-hr. course; one 2-hr. course and a 1-hr. performance credit in the same general discipline; three 1-hr. performance credits in the same general discipline)

Social Sciences **6 hrs.**

- One course selected from HST 101, 102, 121, 122 (3 hrs.)
- One course selected from anthropology, economics, geography, political science, psychology, sociology (3 hrs.)

Cultural Studies **6 hrs.**

- One course (3 hrs.) selected from
  ENG 245, American Ethnic Literature
  ENG 275, Studies in Gender: Women's Studies
  HST 243, American Minority Groups Since 1865
  SOC 320, Appalachian Studies
  SOC/HST 258, The African-American Experience

  A limited, changing selection of other courses from the humanities, fine arts, and social science may satisfy this requirement. An up-to-date listing of approved courses is available in the Office of the Registrar.

- One course (3 hrs.) selected from
  ENG 230, Non-Western Literature: African
  ENG 231, Non-Western Literature: Asian
  ENG 232, Non-Western Literature: (others)
  FCH 102, Introductory French II (or higher)
  GER 102, Introductory German II (or higher)
  HST 214, History of Modern Russia
  HST 261, Introduction to the Non-Western World
  HST 264, History of Africa
  HST 270, People's Republic of China
  HST 273, Japan Since 1945
  HST 276, History of Latin America
  HST/SOC 315, Arabs and the Middle East
  MUS 210, Introduction to Non-Western Music
  PHL 320, Oriental Philosophy
  PSC 325, Comparative Developing States
  REL 240, Judaism and Islam
  REL 245, Hinduism and Buddhism
  SOC 305, Racial and Ethnic Minorities
  SPA 102, Introductory Spanish II (or higher)

  See complete list available in the Office of the Registrar.

Health and Physical Education **3 hrs.**

- Three 1-hr. activity courses
  OR
- One 1-hr. activity course and one of the following:
  PED 110, Exercise and Weight Control (3 hrs.)
  PED 130, Personal and Community Health (2 hrs.)
  PED 140, First Aid and Safety (3 hrs.)
  HEC 265, Fundamentals of Human Nutrition (3 hrs.)
  HEC 180, Nutritional Needs during the Life Cycle (3 hrs.)

TOTAL HOURS **48-53 hrs.**

Majors Offered

The College offers majors in the following fields. Specific course requirements may be found in the section of this catalog entitled Instructional Offerings. Some fields offer special emphases or tracks within the major.

Bachelor of Arts

Art
Chemistry
Christian Education and Church Leadership
Dramatic Arts
Education
English
History
International Studies
Music
Philosophy
Philosophy and Religion
Physics
Political Science
Psychology
Public Relations
Religion
Social Science
Sociology
Speech Communication
Speech Communication and Dramatic Arts

Bachelor of Music Education

Music

Bachelor of Science

Accounting
Biology
Business Administration
Chemistry
Computer Science
Computer Information Science
Economics
Engineering Physics
Fashion Merchandising
Finance
Human Ecology
Management
Marketing
Mathematics
Nutrition
Physical Education
Sports Medicine

Bachelor of Science in Nursing

Nursing

A student has the option of declaring a major and a minor or a double major. In the case of a double major, a student must declare a primary major, which will determine the degree awarded, and complete both majors fully.

Contract or Individualized Major

The Contract Major is available to serious students who wish to investigate subjects or interests that cannot be addressed by the courses of a single department. With the assistance of three faculty sponsors, a student may structure a program of 30-45 semester hours of interdepartmental studies with defined objectives and including an integrative senior project. The proposed major must be approved by the Curriculum Committee. Specific guidelines are available in the Office of the Registrar.

Minors

The selection of an academic minor is optional, but encouraged, for students entering Wesleyan in the fall of 1994 and thereafter. In addition to the minors listed by discipline in the Instructional Offerings section, a student may design an individualized minor combining related courses from more than one department. Planned in consultation with two faculty advisors and subject to Curriculum Committee approval, such a contract minor should include 9-12 hours in one of the constituent departments and not overlap courses in the major.

Preprofessional Programs

Pre-Law Studies

The College offers a variety of studies suitable for students interested in legal careers. Since the practice of law allows for a number of variations, it is important to consult with the advising office about majors and electives that best fit the needs of the individual student. Admission to law school depends on performance in the more demanding courses of the curriculum, on leadership qualities, on research skills, and more generally on language competence and general analytical and reasoning abilities measured in part by the Law School Admission Test. Experience shows that history, political science, philosophy and English are among majors particularly well suited for graduates seeking admission to law school.

As a minimum, pre-law students should take the following: Composition (two semesters), Principles of Accounting I-II, Principles of Economics (two semesters), History (two courses), Political Theory (two semesters), Constitutional Law, and Philosophy (two courses, including Logic).

Premedical Studies — Allied Fields

Students planning to seek admission to professional health schools such as schools of medicine, dentistry, optometry, pharmacy, podiatry, and veterinary medicine must demonstrate a strong foundation in the sciences. Students should plan to begin laying this foundation in the freshman year of college and should seek early advice regarding recommended courses of study. Most students in this area of study complete their

majors in chemistry or biology. Beyond their work in the sciences, successful applicants to professional schools are advised to elect challenging courses in the humanities and social sciences.

Information regarding curricula for these fields and about application to professional schools or for the MCAT (Medical College Aptitude Test) may be obtained from faculty members in biology or chemistry.

Pre-Seminary Studies

The pre-ministerial student planning to enter seminary should follow a program of studies at the College to achieve a broad cultural and intellectual foundation. The American Association of Theological Schools in the United States and Canada suggests that approximately three-fourths of the student's college work be taken in the following specified areas: (1) English and communication, including composition, literature, basic speech and related courses — six semesters; (2) history, including ancient, modern European, and American — three semesters; (3) philosophy — three semesters; (4) natural sciences, preferably physics, chemistry, or biology — two semesters; (5) social sciences — seven semesters; (6) foreign language — four semesters; and (7) religion — three semesters. Wesleyan also offers courses in Christian education and church leadership as helpful preparation.

The most desirable areas of concentration for the pre-ministerial student are English, philosophy, history, and religion.

Combination Degree Programs (Institutional Affiliations)

Engineering — A "Four-One" or "Three-Two" Program

(Leading to Bachelor of Science and Bachelor or Master of Science in Engineering Degrees)

West Virginia Wesleyan and the University of Pennsylvania, in Philadelphia, offer cooperatively two programs in liberal arts and engineering.

Students who complete a Bachelor of Science degree in engineering physics at Wesleyan and meet admission standards will be admitted to the engineering school of the University of Pennsylvania on a preferential basis. There, they may complete the Master of Science degree in any of eight engineering specialties in one or two years.

As an alternative, students may elect a "three-two" curriculum in which they devote the first three years in residence at West Virginia Wesleyan to a carefully planned program of study in the liberal arts and sciences which are basic to engineering. If they meet the admission standards, they spend the last two years in residence at the University of Pennsylvania completing the program in their chosen field of engineering.

Upon satisfactory completion of the fourth year of the program, the students are eligible to receive the Bachelor of Science degree from Wesleyan, and upon satisfactory completion of the fifth year, they are awarded a Bachelor of Science degree in their chosen field from the University of Pennsylvania.

Engineering options available at the University of Pennsylvania include chemical and biochemical; civil and urban; mechanical and applied science; metallurgy and applied science; bioengineering; computer and information science; electrical; and systems.

A four-one program leading to a Master of Science degree in aeronautical engineering is offered in conjunction with Langley-NASA Research Center. Students complete a Bachelor of Science degree at Wesleyan with a major in engineering physics modified as follows: Add PHY 350 (Fluid Mechanics), PHY 375 (Heat Transfer), and PHY 388 (Mathematical Methods of Physics); elect PHY 340 (Engineering Thermodynamics) rather than CHE 331 (Physical Chemistry). Those achieving a 3.0 or better GPA may earn an M.S. degree after one year of study at NASA-Langley Research Center. This program is administered by the Joint Institute for Advancement of Flight Sciences.

Forestry, Environmental Science, and Resource Management— A "Three-Two" Program

(Leading to Bachelor of Science and Master of Forestry or Master of Environmental Management Degrees)

West Virginia Wesleyan and the Duke University School of the Environment offer cooperatively a ten-semester curriculum in liberal arts and forestry or environmental studies. Students who elect to pursue this curriculum will devote the first three years in residence at Wesleyan to a carefully planned program of studies in the liberal arts and sciences, and the last two years in residence at Duke University where they will pursue a professional curriculum of their choice in one of five areas: forest resource management, resource ecology, ecotoxicology and environmental chemistry, water and air resources, or resource economics and policy.

Upon satisfactory completion of the fourth year of this coordinated course of study meeting all general studies and biology major requirements, the student is awarded the Bachelor of Science degree by West Virginia Wesleyan. Upon satisfactory completion of two additional semesters, the student is awarded the professional degree of Master of Forestry or Master of Environmental Management by the Duke University School of the Environment. For more information contact an advisor in biology.

January Term

During the January Term, students at Wesleyan enroll in a single three-credit course. The focused efforts of both students and faculty allow for more intensive concentration and greater flexibility in scheduling of class meetings or in teaching methods. It is an excellent time for arranging field experiences, internships, or travel courses.

Offerings include innovative special courses as well as courses meeting requirements for general studies, majors, and minors. A number of students arrange independent study or job-related learning experiences through learning contracts. A special course catalog for this term is published each year.

Study Abroad

Wesleyan encourages students to explore the possibilities of study abroad and maintains exchange programs with universities in Korea, the People's Republic of China, Norway, and Bulgaria. The international study experience is open to students in any area of study. A wide variety of academic, language, travel, and cultural experiences is available by working through both international and American institutions for a summer, a January Term, a semester, or a full year of study. Academic credit from approved programs is readily transferable toward a Wesleyan degree.

Students considering an international experience should contact the Study Abroad Office and begin to plan for program selection, financial arrangements, and course approval.

The Honors Program

The Honors Program is offered to recognize and challenge the College's most academically talented students. Participation is voluntary for all qualified students other than Wesleyan Scholars, whose participation is required.

Requirement for Admission to Honors Program

Entering freshmen: high school cumulative grade point average of 3.5 and 1100 SAT score or 26 ACT score.

Second-semester freshmen, sophomores and juniors: cumulative college grade point average of 3.4 or above.

Any student who has earned a cumulative grade point average of 3.2 may enroll in Honors classes, subject to meeting prerequisites or obtaining professors' permission to enroll. To remain active in the Organization of Honors Students and qualify for participation in certain cultural events, a student must maintain the following cumulative grade point average by the end of each successive year: freshman, 3.0; sophomore, 3.2; junior, 3.4. To graduate with an Honors Degree—e.g., Bachelor of Arts (Honors)—a student must complete the requirements below and achieve a cumulative grade point average of 3.5.

Requirements for Graduation with an Honors Degree

1 A total of 20 credit hours of Honors courses including

- DIV 101, Introduction to the Humanities (Honors) 3 hrs.
- ENG 237, Modern World Literature (Honors) 3 hrs.

Together DIV 101 and ENG 237 waive the general studies requirements of ENG 101 and 102 and satisfy the requirements in Introduction to the Humanities and literature.

- Selection of 12 additional credit hours of Honors courses that, together with DIV 101 and ENG 237, must be distributed over at least five different academic disciplines. 12 hrs.
- Two one-credit Honors seminars, DIV 310, to be taken in the sophomore, junior, or senior years, with no more than one seminar taken in any given year. 2 hrs.

2 Basic proficiency in a foreign language, demonstrated by
- Successful completion of FCH 102, GER 102, GRK 102, or SPA 102, **OR**
- Three years of high school credit in a single foreign language with grades of B, **OR**
- Successful completion of an appropriate Wesleyan proficiency examination (no college credit), **OR**
- CLEP credit.

3 Completion with a grade of A or B of a senior thesis approved by the Honors Committee

May be satisfied by completing an approved thesis requirement in the student's major or by taking DIV 320, Honors Thesis, two credit hours.

Policies

A student working toward an Honors Degree may opt to substitute any Honors history course for a general studies history survey course (HST 101, 102, 121, 122).

Honors courses may not be contracted, and regular catalog courses may not be converted to Honors courses by completing additional requirements.

Outreach Education

Outreach Education is an academic extension of West Virginia Wesleyan College, offering college-level courses designed for home study by students not enrolled in a campus-based post-secondary program of study. Information on course offerings, procedure for enrolling, and fees is available from Outreach Education, West Virginia Wesleyan College, 59 College Avenue, Buckhannon, WV 26201-2997.

External Education

External Education is an evening and weekend program of courses designed primarily for working and older members of the community. These courses provide an excellent opportunity for non-traditional students to explore new areas of interest and/or to advance their college careers. A schedule of offerings and applicable tuition rates is available prior to the beginning of each semester in the Office of the Registrar.

How To Graduate

Degrees Awarded

West Virginia Wesleyan College confers five academic degrees: **Bachelor of Arts** (B.A.), **Bachelor of Music Education** (B.M.E.), **Bachelor of Science** (B.S.), **Bachelor of Science in Nursing** (B.S.N.), and **Master of Business Administration** (M.B.A.). The degree granted is determined by the choice of major, as listed on page 42, or for individualized programs, according to the content area of the program.

Degrees With Distinction

Students who earn at least 64 hours through regularly enrolled study at West Virginia Wesleyan and who complete all baccalaureate degree requirements with a GPA of 3.50 to 3.69 on both total record and credits earned at Wesleyan will be graduated *cum laude*; those who complete all such requirements with a GPA of 3.70 to 3.89 on both total record and credits earned at Wesleyan will be graduated *magna cum laude*; and those who complete all such requirements with a GPA of 3.90 on both Wesleyan and total records will be graduated *summa cum laude*.

Commencement

The Commencement ceremony is held at the end of the spring semester each year. All students who completed degree requirements during the previous summer and winter as well as May graduates are awarded degrees during the program. Qualified undergraduate students who expect to complete degree requirements during the ensuing summer may make application to the Dean of the College for permission to participate early in Commencement. Guidelines for participation are available in the Academic Affairs Office.

Requirements for Graduation

In order to qualify for a Bachelor of Arts, Bachelor of Music Education, Bachelor of Science in Nursing, or Bachelor of Science degree, all students must

1 Earn a minimum of 128 semester hours of credit, at least 32 of which must be earned in residence;

2 Complete the general studies program and an approved academic major;

3 Achieve a C average (2.0 grade point average) in all college work attempted, in all college work attempted at Wesleyan, in each major and minor field of study, and in Composition II.

Policies

Except in specifically approved majors, a maximum of 45 hours in an academic discipline may be counted toward the 128 hours required for graduation.

No more than seven hours of developmental course credits, numbered 000–099, may be counted toward the 128 credit hours required for graduation.

At least 24 of the last 32 semester hours of credit before graduation or entrance into an officially established cooperative program for the senior year must be earned in residence.

Students are personally responsible for knowing and meeting degree requirements; the role of academic advisors is to assist and advise only. Students with specific questions may consult with the Office of the Registrar.

Requirements for the Master of Business Administration degree are on page 70.

Accelerated Program

The College affords students an opportunity to complete their studies in a shorter time by offering two 14-week semesters, a January term, and several summer terms annually. It is possible for a student to complete most degree programs in three years or less.

Semester Hours

A semester is a 14-week term. In general, a course meeting one hour per week for a semester carries one semester hour of credit; a course meeting two hours per week for a semester, two semester hours, etc. Summer and January Term classes meet more frequently over shorter periods of time to achieve the same number of classroom hours.

Necessary Examinations

Some majors require a Comprehensive Examination or other method providing proper final academic evaluation of the student. The results of such evaluations are recorded on the student's permanent record (transcript).

For purposes of institutional program review, students may be required to participate in a national examination or other departmental assessment examination.

Application for Degree

At least 12 months prior to anticipated completion of degree requirements, each candidate for a degree is required to file an application for degree at the Office of the Registrar. Requirements still to be met may then be checked while there is time to make appropriate adjustments. A charge of $20 is made for failure to comply with this regulation. Such failure may also result in postponement of graduation.

Additional Majors and Bachelor's Degrees

A person who has earned a bachelor's degree from a regionally accredited college or university may earn another bachelor's degree from Wesleyan provided he or she meets minimal residency and curricular requirements. A graduate of Wesleyan may complete an additional major after graduation or, in some cases, earn an additional bachelor's degree, provided he or she meets specific requirements. Policy statements governing additional majors and degrees are available from the Office of the Registrar.

Contract Studies

The learning contract allows a student to enter into a written agreement with one or more faculty members to achieve specific educational objectives for academic credit. The student and faculty member agree on the ways the student will achieve the objectives—e.g., independent study, travel, field experience, internship—and how the project will be evaluated.

A learning contract, developed by the student and faculty sponsor, is forwarded to the Registrar's Office for review and approval. The contract is to be made prior to registration to be part of the student's registration for that term, and in no case may a contract be submitted for approval more than two weeks after the beginning of a semester. The student must register in order to receive credit. To participate in contract learning, a student must be a second semester sophomore in good standing (2.25 average). Information regarding specific eligibility requirements and policies is available in the Office of the Registrar.

Academic Policies

Academic Integrity

See policy under **Rules for Living,** page 36.

Registration

When to register

All students must register at the beginning of each semester or summer term in accordance with the dates designated in the college calendar.

Students in residence during any semester or summer term preregister for the ensuing semester and/or summer term on dates designated. It is essential that preregistration be completed in order that provision may be made for faculty scheduling, class sectioning, textbooks, and laboratory materials. A charge of $20 will be made for failure to preregister on dates designated.

Changes in registration

Course changes can be made only with the approval of the Registrar. In order to minimize changes, students should consult their advisor, the course instructor, or, if necessary, the Department Chair before registering.

No semester-long courses may be added to a student's schedule after the fifth day of classes in any semester, or after the first two days of classes in any summer term or January Term. (See Withdrawal from Courses in this section.)

Late registration

Except in cases of unavoidable delay, late registration is strongly discouraged and entails a $50 charge.

Classification

Students who have met all entrance requirements, transfer no previous college credit, and have completed registration become freshmen; those who have earned 32 semester hours of credit become sophomores; those who have earned 64 semester hours of credit become juniors; and those who have earned 96 semester hours of credit become seniors.

Course Load

Full-time tuition entitles a student to register for a maximum of 18 credit hours per semester. A normal load is 15 hours; the minimum full-time load is 12 hours. Students who wish to enroll in more than 18 hours in a semester (or seven hours in any one summer term) must have sophomore standing, a minimum grade point average of 2.75, and the approval of the Dean of the College. An overload fee is charged. Students

who are working part time, or who are failing to maintain a satisfactory scholastic record, are advised to carry a lighter load. The Committee on Admission and Academic Standing may require the academically weak student to lighten his or her load.

Grade Point Average

A student's grade point average (GPA) is computed by dividing the total number of quality points earned by the total number of semester hours for which the student has registered. Courses from which the student has withdrawn officially, courses in process, and courses in which a grade of Pass was earned are not included in this computation.

Grades and Quality Points

In order to remain in good standing, students must maintain a cumulative grade point average of at least C (2.0). In order to graduate, students must in addition achieve a C average overall in courses undertaken at West Virginia Wesleyan College and in their major and minor fields.

Grade	Explanation	Quality Points (per hr.)	Grade	Explanation	Quality Points (per hr.)
A	Excellent	4	F	Failure	0
B	Good	3	I	Incomplete	0
C	Average	2	W	Withdrawal	0
P	Pass	0	FW	Irreg. Withdrawal	0
D	Poor	1			

Grades of P, I and W are not included in grade point average calculation.

If a student who has been passing cannot complete work in a course because of illness or other sufficient reason, an I (incomplete) may be entered temporarily on the record. The course must be completed within the first six weeks of the next regular semester, except when an extension of time is granted by the Committee on Admission and Academic Standing. Otherwise, the I automatically becomes an F or such other grade as the instructor assigns based on work completed.

Pass/Fail Courses

A junior or senior student may choose to take one elective course each semester to be graded on a Pass/Fail basis with the approval of the instructor, faculty advisor, and Registrar. In order to receive a grade of Pass, the student must earn the equivalent of an A, B, or C. The student may not use this option for courses required for general studies or in the major or minor. The Pass or Fail will be entered on the student's permanent record. Courses for which a Pass is earned will fulfill hour requirements but will not affect the grade point average (GPA).

This option is extended to all students in January Term elective courses.

Dean's List

Superior scholarship is encouraged and recognized by the publication of the Dean's List at the end of each semester. This list includes students who have achieved a grade point average of 3.5 or above for the semester, while carrying a load of at least 12 semester hours. For purposes of qualifying for the Dean's List, a full summer session will be treated as a semester.

Attendance Requirements

Each student is expected to attend classes and laboratory sessions. Missing a substantial portion of any class or laboratory session constitutes an absence. Missing sessions because of late registration may constitute absences. Each faculty member is free to establish attendance policies that penalize students for classes missed.

A student who in the judgment of the Committee on Admission and Academic Standing has been grossly negligent in class attendance shall be subject to disciplinary action.

The Dean of Student Development periodically notifies faculty of those students whose absences are reported to be due to illness, personal emergencies, or official college business.

Withdrawal from Courses

A student will be permitted to withdraw from a course only during the period designated in the academic calendar. Unless otherwise specified, the final date for withdrawal from a course of less than a semester's duration will be the midpoint of that course. In order to withdraw from a course, a student must complete the withdrawal form available in the Office of the Registrar.

If the student is granted permission to withdraw, a W (Withdrawal) is entered on the record. If a student discontinues a course after the specified date for withdrawal and/or without permission of the Dean of the College, FW (Failure, Irregular Withdrawal) is entered on the record.

Courses Repeated

A course in which the final grade is D or F may be repeated at Wesleyan. When a course is repeated, both the original grade and the grade in the repeated course shall appear on the permanent record; the first grade will be ignored when computing the student's grade point average (unless it was a D followed by an F, in which case both count until followed by a passing grade).

If for any reason a student repeats a course in which a grade higher than D has been received, both grades will be included in the grade point average. However, duplicate hours of credit will not be counted for any course except those designed for incremental learning (e.g., applied music).

Unsatisfactory Progress

Academic Warning

Students with fewer than 25 earned hours and a cumulative grade point average of 1.75–1.99 at the end of any semester will be placed on academic warning for the next semester of attendance. Both students and their parents will be notified.

Students on academic warning may be ineligible for institutional financial aid.

Academic Probation

A student with 25 or more earned hours who fails in any semester to maintain an overall GPA of 2.0 or above will be placed on academic probation. A student with fewer than 25 earned hours and a GPA below 1.75 will also be placed on academic probation. All such students will remain on academic probation until they have attained the required cumulative GPA.

A student on academic probation who fails during one semester of probation to attain the required GPA or make satisfactory progress toward a degree may be dismissed because of poor scholarship. A student dismissed for academic purposes may apply for readmission, and, with evidence of academic progress, may be admitted two semesters after dismissal. (One complete series of summer terms counts as one semester.)

Students on academic probation may be removed from participation in extra-curricular organizations. In the case of departmental organizations, standards for participation are set by the organizations themselves. For participation in intercollegiate athletics, a student must meet the eligibility requirements of the National Association of Intercollegiate Athletics and the National Collegiate Athletic Association and may not be on academic probation.

Suspension and Withdrawal

Students who incur an excessively large number of absences from any course(s), or who are otherwise grossly negligent of their studies, may be suspended from the course(s) involved, or from all courses; or may be permanently dismissed by the Committee on Admission and Academic Standing. Suspended or discontinued students shall have F entered on their permanent records for the courses involved.

West Virginia Wesleyan College reserves the right to require students to withdraw if their scholarship proves unsatisfactory, or if their presence in any way jeopardizes the ideals and standards the College seeks to maintain. Any student who earns less than a 1.0 GPA in a given semester may be required to "show cause" why he or she should be entitled to enroll for a subsequent semester. A student who fails to show adequate cause may be academically suspended.

Academic Credit

Credit by Examination

The College makes available to students a program of credit by examination. Students must be enrolled at Wesleyan to take advantage of credit by examination opportunities.

Students who take the College Board Advanced Placement Program examinations and achieve a score of three or higher may be granted credit in the appropriate course(s) upon enrollment at Wesleyan.

The College participates in the College Level Examination Program (CLEP). Students may receive credit through the general examinations when they achieve the passing score set by Wesleyan. Thirty CLEP subject examinations are also available in courses of a general college nature.

Students desiring to establish credit by examination in courses which are not available through CLEP may do so by taking institutionally prepared tests and receiving at least an average grade (C) as determined by the faculty.

Fees for all credit by examination are $70 for each examination (fees are not refundable). Duplicate credit by examination and/or regularly earned college credit will not be granted. Students may not take examinations for courses previously attempted in the classroom.

Students of exceptional ability or any students who have had extensive high school preparation in a given area are encouraged to take advantage of credit by examination. Interested persons should consult the Testing Supervisor.

Credit for Professional Studies

A student who has completed three years of a "three-two" curriculum in engineering or forestry at Wesleyan, as outlined in this catalog, may substitute successful completion of the fourth year of that program for the remaining number of credits required for a degree.

A student who has completed at least 96 semester hours may, with prior permission of the Committee on Admission and Academic Standing, enter an accredited professional school and transfer back to West Virginia Wesleyan credits in subjects approved by the committee to complete the total number of credits required for a degree—provided the student has met fully all other degree requirements.

Credit for Educational Experience in Armed Services

The College may grant appropriate credit, as recommended in *The Guide to the Evaluation of Educational Experiences in the Armed Services*, and as modified or superseded by later recommendations of the Commission on Educational Credit of the American Council on Education, to students who either submit satisfactory documentary evidence (e.g., DD 214), or demonstrate on such tests as the College may prescribe that they have achieved, through educational experience in the armed services, a satisfactory degree of mastery of any subject for which the College regularly gives credit.

In granting credit under these regulations, no duplication of credit will be allowed, and no fractional credits will be granted.

Credit in physical education may be allowed for educational experience in the armed services only when the applicant has completed 12 continuous months of active military service.

Credit for educational experience gained in the armed services will be recorded only for persons who are currently enrolled as students in the College.

Interested persons should consult the Registrar.

Credit for Noncollegiate Study

The College may grant credit, as recommended in *The National Guide to Credit Recommendations for Noncollegiate Courses* of the American Council on Education, for the study of subjects in other than college settings which are consistent with the curricular program of Wesleyan. Such credit will be recorded only for persons enrolled in a degree program at the College. Inquiry should be made with the Registrar.

Grade Reports

At the end of each semester and at the end of each summer term, the College issues a report of each student's grades. Midterm reports are sent to students whose academic work is evaluated as deficient (D or F).

This report is mailed to the designated parent or guardian except for students formally identified as having independent status.

Complete grade reports are not printed at the end of January Term, but students receive final grade notices in their campus boxes.

Auditing

A person desiring to audit a course must obtain permission from the Dean of the College, register as an auditor, and pay the auditor's instructional charge for the course. (See Auditors in Expenses and Financial Aid section.) A full-time student may audit a course without having to pay the audit fee if the credit hours normally granted for the audited course would not create an overload, were they earned credits.

Auditors take no examinations, submit no written work, do no laboratory work, and receive no credit for courses audited.

Instructional Offerings

Course Numbering System

The first of the three digits of the course number indicates the general level of instruction (target audience).

001 – 099 Developmental courses.

101 – 199 Courses taught at a level appropriate for the general freshman population.

201 – 299 Courses taught at a level appropriate for sophomores (determined by hours earned).

301 – 399 Courses taught at the general "upper division" level—i.e., for juniors and seniors.

401 – 499 Courses intended *exclusively* for seniors—e.g., capstone seminars, student teaching, senior research projects.

501 – 599 Graduate courses.

- Students with a cumulative GPA of 2.7 or above, or who have passed an appropriate placement examination, are permitted to select courses one level above their class standing, except for 400-level courses. Students new from high school may do so if their high school GPA was 3.0 or above.
- Freshmen in the honors program or with a college cumulative grade point average of 3.25 or above may, with permission of the instructor(s), select courses two levels above their class standing.
- Only students who have earned a bachelor's degree may enroll in 500-level courses.
- Students wishing to select advanced courses who do not meet the GPA or other requirements may petition the Committee on Admission and Academic Standing for permission to do so.

Accounting

See Business and Economics for description of major program.

Anthropology

See Sociology and Anthropology for description of minor program.

Art

A. Berry, Davis, Keegan, Rhoads

The art program is designed to develop a knowledge of aesthetic elements and principles and the capacity to express one's creative potential. Emphasis is placed on the preparation of students for successful careers in art through study in such areas as painting, drawing, graphic design, ceramics, printmaking, art education, and art history. In addition, a general studio concentration prepares students for careers in areas such as art therapy.

The newly remodeled art facility has extended studio hours. It also houses the Sleeth Gallery, whose program includes regular visiting artists, workshops, and curated exhibitions.

The rigorous and challenging programs of study in art are capped with a required internship experience in the chosen field of study. All studio art majors are required to participate in a senior exhibition and assemble a portfolio of successful work.

Art scholarships are available to qualified students on a competitive basis. For information, contact the Office of Admission or the Art Department.

Requirements for Major

39-45 semester hours, including core courses plus requirements for one concentration as prescribed below.

Core Requirements (24 hours): ART 111, 112, 121, 122, 241, 242, 306, 325.

Painting and Drawing Concentration (18-21 hours): ART 211, 212, 320 (6 hours), ART 330 or 340, art elective (3 hours), ART 395 (0-3 hours), Senior Exhibition.

Ceramics Concentration (15-18 hours): ART 201, 220, 301 (6 hours), art elective (3 hours), ART 395 (0-3 hours), Senior Exhibition.

Graphic Design Concentration (18-21 hours): ART 340, 351, 352, 361, 362, 370, ART 395 (0-3 hours), Senior Exhibition.

Art History Concentration (15-18 hours): ART 101, a course in Non-Western art history (3 hours), art elective (3 hours), a semester abroad with an art component (6 hours), ART 395 (0-3 hours), Senior Project or Exhibition.

Art Education Concentration (21 hours): ART 101; ART 201 or 220; ART 211, 310, 315, 330; ART 361 or 370.

Requirements for Minor

ART 111, 112, 121, 122, 241, 242, plus 6 additional hours in one studio area (24 semester hours).

ART 101. The Visual Experience. **3 hrs.**

An introductory course designed to aid students in their own appreciation of art, by providing a basis for aesthetic judgment. Great works of art, illustrative of historical styles of architecture, sculpture, and painting, are studied with attention to line, form, space, and color. Illustrated by slides, reproductions, and, when possible, original works of art.

ART 111. Drawing I. **3 hrs.**

Introduction to fundamentals of drawing. Analysis and rendering of line, form, value, texture, and color through use of various media. Principles of balance, proportion, rhythm, and unity.

ART 112. Drawing II. **3 hrs.**

Continuation of ART 111. *Prerequisite:* ART 111 or permission of instructor.

ART 121. Design Fundamentals I. **3 hrs.**
Introduction to the study of the elements of design, applicable to all problems of visual expression. Comprehensive consideration of the principles of color and composition. Experimentation and practice in the problems related to two-dimensional design.

ART 122. Design Fundamentals II. **3 hrs.**
Introduction to the study of design as applied to three-dimensional, sculptural work. Emphasis on additive, subtractive, and casting processes. Principles studied include balance, form, space, color, scale, and texture. *Prerequisite:* ART 121.

ART 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

ART 201. Ceramics. **3 hrs.**
An introduction to wheel-thrown ceramics. The creation of functional objects using the traditional craft processes of forming clay on the potter's wheel. Investigation of techniques for decorating, glazing, firing.

ART 211. Painting I. **3 hrs.**
Introduction to painting. Comprehensive consideration of the principles of design and color and their application to pictorial composition. Experimentation in various media.

ART 212. Painting II. **3 hrs.**
Continuation of ART 211. *Prerequisites:* ART 111 and 211 or permission of instructor.

ART 220. Ceramic Sculpture. **3 hrs.**
An introduction to handbuilt ceramics. Emphasis on concept, design, and forming processes as they relate to ceramic sculpture. Students will explore sculpture concepts while working with a wide range of construction techniques including coil and slab, modelling, press molding, and casting. Various firing and glazing processes will be used.

ART 241. Survey of Art I: Ancient and Medieval. **3 hrs.**
Historical study of architecture, sculpture, painting, and the minor arts of the western world. Art is presented as an objectification and record of man's major beliefs and ideas. *Offered in alternate years.*

ART 242. Survey of Art II: Renaissance and Modern. **3 hrs.**
Continuation of ART 241. *Offered in alternate years.*

ART 301. Advanced Ceramics. **3 hrs.**
Consideration of complex hand-built forms and techniques of wheel-forming. Study of basic glaze chemistry and body formulation, advanced decorating techniques, and various firing methods. Emphasis on experimental techniques and individual creative expression. *Prerequisites:* ART 201 and 220. *May be repeated for credit.*

ART 306. History of Twentieth Century Art. **3 hrs.**
A study of important Western art of the twentieth century including painting, sculpture, and architecture. Beginning with the major contributions of the movements of the late nineteenth century, students will explore the ideas of modern, Western art on both sides of the Atlantic Ocean. *Offered in alternate years.*

ART 310. Methods of Teaching Elementary Art. **3 hrs.**
A course designed to introduce students to the purposes/goals of art education for children. Emphasis will be given to learning to look, feel, and talk about art. Curriculum study, which includes the planning and development of an art matrix, the effects of various compositional elements within a work of art, and characteristics of children's art at a given developmental stage. Limited experimentation with basic art media and materials using inexpensive and collected art resources. *Does not apply toward general studies fine art requirement.*

ART 315. Methods of Teaching Art (Grades 5-12). **3 hrs.**
Field study and observation in the public schools. Factors determining a secondary program, such as geographical area, facilities, attitudes, scheduling. Curriculum study; sequential planning through the total school program K-12. Sensitivity and skill development in description, analysis and evaluation of art forms. *Must be taken prior to student teaching. Prerequisite:* ART 310.

ART 320. Advanced Painting. **3 hrs.**
Intensive investigation of composition and technique in painting with emphasis on the development of individual style. Student may work in various media. *Prerequisites:* ART 111, 112, 211, 212, or the equivalent. *May be repeated for credit.*

ART 325. Advanced Drawing. **3 hrs.**
The drawing considered as an art form with experiments in the emotional quality of drawing. Emphasis on quality and the development of a personal creative expression. *Prerequisites:* ART 111 and 112 or the equivalent. *May be repeated for credit.*

ART 330. Printmaking. **3 hrs.**
Emphasis is placed on the fundamentals of serigraph and related graphic processes. Areas studied will include photographic, cut film, and various stencil techniques. Intaglio processes (soft and hard ground etching, drypoint, aquatint, engraving, etc.) may be used in some semesters. *Prerequisites:* ART 111, 112, 121, 122. *May be repeated for credit.*

ART 340. Illustration and Rendering. **3 hrs.**
Study of illustration and rendering for graphic design uses. Exercises to develop skills in product rendering, editorial illustration, and comprehensive illustration for client presentation. A variety of media and techniques will be explored. *Prerequisites:* ART 111, 121. *Offered in alternate years.*

ART 351. Graphic Design I. **3 hrs.**
A study of the processes involved in translating ideas into commercial, graphic images. Emphasis on design and layout for print production. Areas of investigation include idea generation, roughs, layout, typography, and presentation for client approval. *Prerequisite:* ART 121. *Offered in alternate years.*

ART 352. Graphic Design II. **3 hrs.**
A continuation of ART 351 with emphasis on design for the mass print media: newspaper, magazine, advertising design. Advanced study of print production, including computer-aided design, color separation, color comprehensive presentation, and pre-press production. *Prerequisite:* ART 351. *Offered in alternate years.*

ART 361. Desktop Publishing I. **3 hrs.**
An introduction to the use of computer systems for graphic and publication design. Study of graphic design concepts and processes using the computer as a design and production tool. Publication design, image scanning and manipulation, and typography will be studied using Pagemaker and other software for the Macintosh computer. *Prerequisite:* ART 121. *Offered in alternate years.*

ART 362. Desktop Publishing II. **3 hrs.**
Advanced computer-generated publication design of magazine, newspaper, book, and collateral pieces using Pagemaker, Quark X-press, Illustrator, Photoshop, and other software for the Macintosh computer. Investigation of advanced typography and color digital pre-press production. *Prerequisite:* ART 361. *Offered in alternate years.*

ART 370. Computer Illustration. **3 hrs.**
Computer-aided design and illustration using the Macintosh computer. Investigation of illustration techniques, scanned and video image manipulation, and production for hard copy imaging. Color and black and white illustration with digital output to 35mm slide or color printers. Software used includes Illustrator, Freehand, Photoshop, Superpaint, and others. *Prerequisites:* ART 111, 121, and Macintosh computer experience. *Offered in alternate years.*

ART 395. Internship. **0-3 hrs.**
Designed to provide on-the-job training during the last three semesters of student work. Following art department internship guidelines and in coordination with the art faculty, students will secure an appropriate internship assignment in the field of their concentration. Summer internships encouraged. *Prerequisite:* Art major in last three semesters of study.

Biology

Colson, Gregg, McCormick, Sullivan

The objectives of this major are (1) to provide students with factual knowledge and experience in the major fields of biology; (2) to prepare students for graduate studies in biological and environmental sciences, such as genetics, microbiology, biochemistry, ecology, and forestry; (3) to provide preprofessional training for future students of medicine, dentistry, optometry, veterinary science, pharmacy, medical technology, physical therapy, and other allied health fields; (4) to provide training for students choosing biology as a teaching field; and (5) to give students a solid background for careers in diverse fields such as pharmaceutical sales, laboratory technology, and horticulture.

Requirements for Major

30 semester hours, including 160, 231, 232, 250, and 497. In addition, students must take either BIO 260 or BIO 270; either BIO 310 or BIO 320; and either BIO 360 or both BIO 354 and BIO 355.

Unless noted otherwise, all biology courses for majors (BIO 250 and higher) require as prerequisites the three-course sequence BIO 160, 231, 232. Majors must take CHE 161 and 162 in their freshman or sophomore year. CHE 221 and 222 are recommended. Majors must also take either MTH 110, 130, 150, or 161.

Requirements for Minor

15-16 semester hours of courses applicable toward the major, including BIO 160. With permission, BIO 130 may be counted.

Requirements for Human Biology Minor

15-16 semester hours, including Biology 110 or 160; BIO 211 and 212; and either BIO 220, 330, or 360.

BIO 110. General Biology. **3 hrs.**
An introduction to biology for allied health students and for other non-majors. Emphasis on cells, biological molecules, energy, basic metabolism, and genetics, with a brief survey of ecology and evolution. Laboratory included. An alternate prerequisite for BIO 211 and 220. Does not count toward a biology major. *Students may not receive credit for both BIO 110 and BIO 160.*

BIO 120. Plant Science. **3 hrs.**
The study of the significance of plants to human life and interrelationships between plants and people. Emphasis on plant variety, structure, and function to aid in growing and enjoying plants in the home and garden. Introduction to important plant products (foods, beverages, spices, medicines, poisons, fibers, lumber). Laboratory and field trips included. Designed for non-majors.

BIO 130. Environmental Science. **3 hrs.**
A study of the relationships between humans and the natural world. Basic principles of biology, population studies, natural resources, food, energy, pollution, environmental ethics, etc. Laboratory included. Designed for non-majors; may be used as an elective for the major or minor with permission.

BIO 140. Human Life Science. **3 hrs.**
Major topics include normal and abnormal functioning of the human body, human evolution and genetics, and recent advances in medical and biological science. Discussion of controversial topics of moral and ethical concern. Laboratory included. For non-biology majors.

BIO 160. Principles of Biology. **4 hrs.**
A survey of the principles of biology at the molecular and cellular levels, including energetics, reproduction, genetics, evolution, and ecology. Laboratory included. *Students may not receive credit for both BIO 160 and BIO 110.*

BIO 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BIO 211. Human Anatomy and Physiology I. **4 hrs.**
A study of the structure and function of the human body with emphasis on cells, tissues, skin and the coordination and control of body movements; skeletal, muscular and nervous systems are covered. Laboratory and lectures. *Prerequisites:* BIO 110 or 160 and CHE 105 or 161.

BIO 212. Human Anatomy and Physiology II. **4 hrs.**
Continuation of BIO 211; emphasis is placed upon the interactions of endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems and the maintenance of metabolism and fluid and electrolyte balance of the human body. Laboratory and lectures. *Prerequisites:* BIO 211 and CHE 105 or 161.

BIO 220. General Microbiology. **4 hrs.**
Designed for nonmajors planning careers in nursing, dental hygiene, nutrition, physical therapy, medical technology, or other allied health fields. Emphasizes medically important microorganisms, their characteristics, identification, pathogenicity, toxigenicity, and control. Other topics include human disease resistance and immunity, epidemiology, and food and water microbiology. Lecture and laboratory. *Prerequisites:* BIO 110 or 160; CHE 105-106 or 161-162. CHE 106 or 162 may be taken concurrently.

BIO 231. Diversity and Function I. **4 hrs.**
Introduction to major protist and animal groups, with emphasis on the evolution of adaptations to particular environments and on the phylogenetic relationships among these and other organisms. Introductory physiology of animals. Lecture and laboratory. *Prerequisite:* BIO 160.

BIO 232. Diversity and Function II. **4 hrs.**
Continuation of BIO 231, completing the survey of organisms and their functional anatomy. Introduction to archaebacteria, bacteria, higher algae, fungi, and plants, including their probable phylogenies and a study of the origin of life. Using higher plants as the focus, students will continue to study how organisms meet environmental problems through physiological, anatomical, and morphological adaptations. Introduction to experimental design and biostatistics. Lecture and laboratory. *Prerequisite:* BIO 231.

BIO 250. Genetics. **4 hrs.**
A study of the principles of inheritance and the nature of the genetic material. Emphasis upon contemporary developments. Training in laboratory procedures, statistical treatment of data, and logical interpretation of scientific research. *Prerequisites:* BIO 160, 231, 232; CHE 161.

BIO 260. Plant Systematics. **4 hrs.**
An introduction to systematics, diagnosis, identification, and classification of higher plants, with emphasis on local flora and flowering plant families of West Virginia. Lectures, laboratory, and field trips. *Prerequisites:* BIO 160, 231, 232 (or BIO 120, with permission).

BIO 270. Vertebrate Zoology. **4 hrs.**
A study of the evolution, systematics, adaptations, and natural history of the vertebrates. Lectures, laboratory and field trips. *Prerequisites:* BIO 160, 231, 232. BIO 232 may be taken concurrently.

BIO 310. Ecology. **4 hrs.**

A study of the relationships of plants and animals to their environment. The concepts of energy flow, ecosystems, communities, and population ecology will be discussed. Assigned readings and discussion of original source materials. Lectures, laboratories and field trips. *Prerequisites:* BIO 160, 231, 232; CHE 161.

BIO 320. Animal Behavior. **4 hrs.**

A study of the behavior of animals from an evolutionary perspective, with emphasis on how natural selection shapes behaviors and the adaptive value of behaviors. Mate choice, reproductive strategies, parenting, social systems, vocalization, and competitive interactions will be covered. Laboratory stresses design and performance of experimental analysis of animal behavior. Field trips included. *Prerequisites:* BIO 160, 231, 232 or permission of instructor. Recommended for psychology majors.

BIO 330. Histology. **4 hrs.**

A study of animal tissues including a survey of techniques and laboratory practice in selected procedures. *Prerequisites:* BIO 160, 231, 232 or BIO 110, 211, 212.

BIO 340. Comparative Anatomy. **4 hrs.**

A comparative evolutionary study of different vertebrate anatomical systems with emphasis on the dissection of the shark, mudpuppy, and cat. *Prerequisites:* BIO 160, 231, 232.

BIO 354. Cell Biology. **3 hrs.**

A study of relationship between structure and function at the cellular level. Topics covered include biologically important molecules, enzymes, membranes, genetic material, protein synthesis, cellular metabolism, photosynthesis, nerve impulses, and muscle contraction. *Prerequisites:* BIO 160, 231, 232 and CHE 161, 162, 221.

BIO 355. Cell Biology Laboratory. **1 hr.**

Laboratory exercises which emphasize the techniques and theories of isolating and characterizing biologically important compounds. Techniques include spectrophotometry, chromatography, electrophoresis, high speed centrifugation, and respirometry. *Corequisite:* BIO 354 or CHE 350.

BIO 360. Principles of Microbiology. **4 hrs.**

Designed for students planning to pursue careers in biology, biochemistry, medicine, pharmacy, dentistry, optometry, veterinary science, etc. Surveys diversity, ecology, cell biology, metabolism, energetics, taxonomy, genetics, control of microorganisms and viruses, and implications for human health and medicine. Lecture and laboratory. *Prerequisites:* BIO 160, 231, 232; CHE 161, 162.

BIO 374. Immunology. **3 hrs.**

A study of immune systems and the immune response (antigens, antibodies, complement, recognition of self, allergies). Lectures and assigned readings. *Prerequisite:* Junior or senior biology or chemistry major.

BIO 376. Field Biology. **3 hrs.**

Biological concepts which can be treated effectively only by intensive field study. As topics change from year to year, this course may be taken more than once with the approval of the biology department. *Prerequisite:* Permission of the instructor.

BIO 497. Seminar. **2 hrs.**

Oral and written presentations on current research papers from the primary biological literature. Emphasizes perfecting skills in scientific communication. Topic is selected by the students. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior standing or permission of faculty.

Business and Economics

Clemens, Cline, Davies, Ervin, Gum, Kinsman, McCauley, Nair, Ruhlow, Shaafi

The Department of Business and Economics prepares men and women for careers in business that require decision making in a complex setting. The department's two overriding goals are to provide for all students, through the College's general studies core curriculum, *a firm base of liberal education* that will develop within them a global view of human understanding; and to present business instruction so that students may understand *the functions of the business firm as a whole and the purposes of functional areas of business in particular*.

The department recognizes that the growing, rapidly changing character of American and world business demands that individuals involved in the decision-making process of business firms project their thinking to the future. They must be *creative and innovative* while understanding the successes and failures of the past. Wesleyan's strong liberal arts component provides students a foundation from which to evaluate the business firm's social and moral responsibilities and their own individual responsibilities as they develop a personal philosophy of business.

The programs in the department lead to the Bachelor of Science and Master of Business Administration degrees.

Undergraduate Programs

Requirements for Major in Accounting, Business Administration, Economics, Finance, Management, or Marketing; Bachelor of Science Degree

63-71 hours, which includes core requirements and requirements for the specific major. PSY 205 (Business and Industrial Psychology) may be credited as an elective in all of these majors except economics and in the business minor. *Students majoring in accounting, business administration, finance, management or marketing may not declare a second major in any of those five areas, nor may they declare a minor in business. Economics majors who complete special requirements may declare a minor in business (see below).*

Core Requirements (33-36 hours): BUS 101*, 111, 112, 140, 160, 201, 221; ECO 110, 120, 221; CSC 101, 250. **Requirement of BUS 101 will be based on official placement.*

Accounting Major (36 hours): BUS 211, 212, 217, 218, 303, 304, 311, 315, 318, 341, 497, and a three-hour elective in business.

Business Administration Major (15 hours): BUS 215 and 12 hours of business electives, at least nine of which must be 300-level or above. *BUS 217 and 218 may be substituted for BUS 215.*

Economics Major (28 hours): ECO 201, 211, 321, 331, 341, 497; MTH 161; and six hours of economics electives. *With advisor approval, another course in statistics may be substituted for BUS 201 (core requirement).*

Finance Major (30 hours): BUS 215, 225, 231, 235, 303, 321, 331, 341, 497, and a three-hour elective in business. *BUS 217 and 218 may be substituted for BUS 215.*

Management Major (30 hours): BUS 215, 245, 251, 303, 304, 341, 351, 497, and six hours of business electives. *BUS 217 and 218 may be substituted for BUS 215.*

Marketing Major (30 hours): BUS 215, 264, 268, 272, 275, 303, 361, 497, and six hours of business electives. *BUS 217 and 218 may be substituted for BUS 215.*

The department recommends that majors elect the following courses, some of which will fulfill general studies requirements: PHL 230 (Ethics); PSY 101 (General Psychology); SOC 101 (Principles of Sociology); a political science course; and MTH 110 (College Algebra), 130 (Pre-Calculus), or 150 (Problem Solving). MTH 161 (Calculus I) is strongly recommended for all students who plan graduate study.

Requirements for Business Minor

15 semester hours, including BUS 111 and 112. Economics majors who wish to declare a minor in business must complete six hours of business, including BUS 303, in addition to the business courses required for their major.

Requirements for Economics Minor

15 semester hours, including ECO 110 and 120.

Business

BUS 101. Business Mathematics. **3 hrs.**

An introduction to business calculations including such topics as interest, discount, depreciation, ratios, and descriptive statistics. *Prerequisite:* Official placement.

BUS 111. Principles of Accounting I. **3 hrs.**

Introduction to the fundamental principles involving business transactions necessary for financial reporting.

BUS 112. Principles of Accounting II. **3 hrs.**

Continuation of BUS 111 with additional material on internal reports, taxes, and financial statement analysis. *Prerequisite:* BUS 111.

BUS 140. Principles of Management. **3 hrs.**

The study of management concepts and practices applicable to all organizations and their impact on planning and organizational development. This course covers a range of management topics, including policy formation, managerial functions, organization theory, motivation, and time management.

BUS 160. Principles of Marketing. **3 hrs.**

Explores the role and importance of marketing in the business firm and in the American economy. Emphasis is placed on the nature of marketing, target market determination, marketing opportunities, product and price decisions, distribution decisions, promotion, influences of the marketing environment, and international marketing.

BUS 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BUS 201. Business Statistics. **3 hrs.**

A study of analysis of business and economic data including descriptive statistics, statistical inference, regression, correlation, time series, and index numbers. Additional information is presented on basic probability theory and probability distributions and their relation to quantitative decision making. *Prerequisites:* MTH 110 or equivalent; CSC 101.

BUS 211. Intermediate Accounting I. **3 hrs.**

A study of the accounting statements and the limitations involved in their preparation. Emphasis is on accounting theory and concepts and on analysis of the problems that arise in applying these concepts to financial accounting. Alternate views to the generally accepted position are explored and evaluated. *Prerequisite:* BUS 112.

BUS 212. Intermediate Accounting II. **3 hrs.**
Continued emphasis on accounting concepts; on conflicts and limitations that exist within the traditional structure of accounting theory. Attention is focused on the use of accounting information as a basis for decision making of management, stockholders, creditors, and other users of financial statements and accounting reports. *Prerequisite:* BUS 211.

BUS 215. Managerial Accounting. **3 hrs.**
A survey of accounting methods from the viewpoint of management, income measurement, analysis of and interpretation of accounting data, internal cost reports, operation budgets, standard costs, transfer jobs, job and process costing, capital budgeting. *Prerequisites:* BUS 112, CSC 101.

BUS 217. Cost Accounting I. **3 hrs.**
Emphasis is placed on the cost data accumulation methods used in a job order and in a process cost system. *Prerequisite:* BUS 112.

BUS 218. Cost Accounting II. **3 hrs.**
Emphasis is placed on controlling costs through budgeting and standard cost systems. Detailed attention is given to cost analysis and profit planning as they relate to decision making. *Prerequisite:* BUS 217.

BUS 221. Principles of Finance. **3 hrs.**
A study of the methods and instruments used to finance the operations of a firm. Emphasis on the value of the firm and how financial decisions affect that value. Additional topics include working capital management, leverage, risk, cost of capital, and dividend policy. *Prerequisites:* BUS 111, 112; CSC 101.

BUS 225. Intermediate Finance. **3 hrs.**
Analysis and discussion of financial theories and practice relating to major corporate financial decisions—long-term investment and financing. Topics include cost of capital, capital structure, risk analysis, capital budgeting, long-term financing, financial forecasting, and financial analysis and planning. *Prerequisite:* BUS 221.

BUS 231. Fundamentals of Investing. **3 hrs.**
Introduction to basic financial concepts relating to marketable investment choices (common stock, debt securities, options, futures, etc.). The student will examine the analysis and research necessary to make good investment choices and learn some of the language of investments. *Prerequisites:* BUS 111, 112; CSC 101.

BUS 235. Financial Institutions. **3 hrs.**
Analysis of the principles underlying decision-making in the administration of specialized financial institutions and activities, such as commercial banks, savings and loan associations, insurance companies, finance companies, mutual funds, investment banking, mortgage banking. *Prerequisites:* BUS 221, CSC 101.

BUS 245. Operations Management. **3 hrs.**
A survey of the quantitative techniques used in the modern business organization. A number of deterministic and probabilistic models will be introduced with an emphasis on their application to relevant business problems. *Prerequisite:* BUS 140.

BUS 251. Human Resource Management. **3 hrs.**
Personnel problems of operating management. Policy decisions and practices involving selection, recruitment, training, job analysis and evaluation, work load, motivation, remuneration, morale, discipline, personnel appraisals, management development, and other areas. *Prerequisite:* BUS 140.

BUS 264. Advertising Management. **3 hrs.**
The place of advertising in business; introduction to the chief forms of advertising; principles of analysis; layout, copy writing, and criticism; preparation of advertisements for various media; methods of measuring effectiveness of advertising. *Prerequisite:* BUS 160.

BUS 268. Marketing Research. **3 hrs.**
Examination of the methods and techniques used in conducting research as well as the uses of such information in managerial decision making. Students use real world examples and applications to develop a research proposal. *Prerequisites:* BUS 160, CSC 101.

BUS 272. Marketing and Consumer Behavior. **3 hrs.**
An examination of the acts of individuals or groups directly involved in obtaining and using goods and services. Consumer decision processes are emphasized including those that precede, influence, accompany and follow the purchase and/or usage of a product. External and internal influences on consumer decision making are examined. *Prerequisite:* BUS 160.

BUS 275. Sales Management. **3 hrs.**
Introduction to selling viewed from principles and practices, management, policy formulation, the selling process, selecting personnel and training. *Prerequisite:* BUS 160.

BUS 303. Business Law I. **3 hrs.**
Basic legal principles applicable to commercial transactions, with special emphasis on contracts, agencies, and partnerships.

BUS 304. Business Law II. **3 hrs.**
Continuation of BUS 303 with emphasis on commercial contracts and the Uniform Commercial code. This course employs case analysis and legal research. *Prerequisite:* BUS 303.

BUS 309. Business Communications. **3 hrs.**
Focuses on principles and techniques involved in organizing ideas, writing effective business letters, and presenting reports, both oral and written.

BUS 311. Advanced Accounting. **3 hrs.**
A study of partnerships, special sales procedures, consolidations, fiduciaries, and fund accounting. Emphasis is on the consolidation of corporate holdings given various complex situations. *Prerequisite:* BUS 212.

BUS 315. Auditing. **3 hrs.**
Work of accountant in investigating, interpreting, and appraising accounting and related records. *Prerequisite:* BUS 217.

BUS 318. Income Tax Accounting. **3 hrs.**
A study of income tax law as it applies to the individual, partnership, and corporation. Emphasis is on the preparation of individual returns and the understanding of how to research the answer to a tax question using standard tax research aids. *Prerequisite:* BUS 112.

BUS 321. Advanced Financial Analysis. **3 hrs.**
Examination of the tools and techniques of financial planning and analysis at the level of the firm. Topics include capital budgeting, working capital management, capital structure strategy, and financial planning and forecasting. *Prerequisite:* BUS 225.

BUS 331. International Corporate Finance. **3 hrs.**
International considerations in corporate financial decision making—investment and financing. Exchange rate forecasting, capital budgeting for foreign subsidiaries, international capital markets, international financing and capital structure decisions, multinational financing, multinational working capital management. Direct foreign investment. Accounting treatment. *Prerequisite:* BUS 225.

BUS 341. Management Science. **3 hrs.**
A study of the applications of various mathematical techniques to the solution of modern business problems. Topics include decision tables, linear programming, network analysis, inventory models, PERT, and simulation. *Prerequisite:* BUS 201.

BUS 351. Labor Management. **3 hrs.**

Historical development of the labor movement, collective bargaining, role of government in the labor field, wage and employment theory, and the public interest. *Prerequisites:* BUS 140, CSC 101.

BUS 361. Advanced Marketing Management. **3 hrs.**

Case studies, simulation techniques, and field studies as three methods for learning to identify business problems of a market nature and develop strategic marketing plans to solve them. The market areas of pricing, promotion, distribution, and product line are explored. *Prerequisites:* BUS 264, 268, 272.

BUS 365. Topics in Marketing. **3 hrs.**

Provides students with an in-depth analysis of current situations affecting marketing managers. Such topics as social responsibility, marketing non-profit institutions, evaluating advertising effectiveness, marketing research, developing marketing information systems, and consumerism are studied. Specific attention is given to developing the written and verbal communication skills of the students. *Prerequisites:* BUS 160 plus three additional hours in marketing.

BUS 371. International Marketing. **3 hrs.**

Examination of marketing managerial processes in international contexts. Analysis of the impact of international economics, culture, and nationalistic governmental policies on trade patterns and marketing decision making in multinational firms. *Prerequisites:* BUS 160 plus three additional hours in marketing.

BUS 497. Business Policy. **3 hrs.**

An integrative capstone course bringing into focus the interrelationship of the functional areas—accounting, finance, production, marketing, human resources, information systems—which, together with the necessary attitudes and skills, are required of managers to make a business successful, considering its environment and public responsibilities. Students apply what they have learned in core and specialized area courses to the overall management function in the enterprise. Includes significant research, writing, and presentation components. *Satisfies advanced composition requirement for general studies.*

Economics

ECO 110. Principles of Macroeconomics. **3 hrs.**

A general introduction to macroeconomics. Particular attention is given to use of basic tools of economic analysis and their application to the major sectors of the economy and to theoretical models describing the interrelationships of consumption, investment, government spending and taxation, and imports and exports.

ECO 120. Principles of Microeconomics. **3 hrs.**

A general introduction to microeconomics. Particular attention is given to the use of basic tools of economic analysis and their application to groups of individuals within an economy and to theoretical models describing the interrelationships of the utility-maximizing behavior of consumers and the profit-maximizing behavior of producers.

ECO 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

ECO 201. Macroeconomics. **3 hrs.**

A study of modern income and employment theory. Analysis of the determinants of such aggregate economic magnitudes as national income, employment, price level, etc. *Prerequisites:* ECO 110, 120.

ECO 211. Microeconomics. **3 hrs.**
A theoretical analysis of the principles of pricing in commodity markets under different market structures such as perfect competition, monopoly, monopolistic competition, and oligopoly. Examination of utility, demand, production, cost, and supply functions. *Prerequisites:* ECO 110, 120.

ECO 221. Money and Banking. **3 hrs.**
A study of the money and credit aspects of a money economy, especially of the U.S. economy; of monetary theories and the problems of monetary policy. *Prerequisites:* ECO 110, 120.

ECO 310. Introduction to Game Theory. **3 hrs.**
An introduction to game theory and decision making. Emphasis is placed on determining possible strategies and payoffs to agents involved in decision making where the decision of one agent affects the payoff to another agent.

ECO 321. History of Economic Thought. **3 hrs.**
A study of the development of economic thought from mercantilism to the present. Contributions of great economists to economic analysis and their bearing on current theory and policy are emphasized. *Prerequisites:* ECO 110, 120.

ECO 331. International Economics. **3 hrs.**
An analysis of the various models of international trade theory and of the forces and institutions affecting the economic relations of modern nations. Attention is given to the problems of international movements of goods and productive factors, to the foreign economic policies of the United States, and to world monetary problems. *Prerequisites:* ECO 110, 120.

ECO 341. Principles of Econometrics. **3 hrs.**
An application of statistical methods and regression analysis to economic data. Students will learn to analyze economic data in time series and panel data settings and to account for and correct statistical abnormalities particular to economic data. *Prerequisite:* BUS 201 or any introductory statistics course.

ECO 351. Mathematical Economics. **3 hrs.**
An application of derivatives and integrals to economic problems. Emphasis is placed on translating intuitive economic problems into explicit mathematical problems and employing calculus to find optimal solutions to them. *Prerequisite:* MTH 161.

ECO 361. Public Sector Economics. **3 hrs.**
Outline of the major fiscal systems. Budgets, sources of revenue, expenditures. Problems of assessment, tax collection, public debt. Modern theories and practice of public finance. *Prerequisites:* ECO 110, 120.

ECO 497. Economics Seminar. **3 hrs.**
The capstone course for the economics major. Students will apply theories of micro- and macroeconomics, international trade, and money and banking to real world scenarios in a team setting. *Satisfies advanced composition requirement for general studies.*

Master of Business Administration Program

Building on the established strength of its most heavily enrolled area of study, Wesleyan offers a course of study leading to the Master of Business Administration degree. The program incorporates study in accounting, finance, management, economics, and marketing, and places special emphasis on the development of problem-solving and decision-making skills. Committed to concern for individuals and the issues that affect them in society, the broad, integrated curriculum reflects the belief that the graduate should be a generalist capable of integrating fundamental knowledge of business functions in a changing environment.

The 36-semester hour program is designed to be pursued either on an intensive schedule by full-time students or on a part-time basis by business professionals, utilizing evening, weekend,

and summer class opportunities. A supplement to this catalog which contains detailed information on admission and academic policies and tuition and fees is available upon request from the M.B.A. Office, which can also provide course schedules.

Admission

Application for admission to the program is invited from any graduate of an accredited college or university regardless of the undergraduate major. The M.B.A. Admission Committee will evaluate academic achievement at the undergraduate level, test scores, special skills, and other factors relevant to successful candidacy.

Applicants must submit scores from the Graduate Management Admission Test (GMAT), administered by the Educational Testing Service.

The following undergraduate core courses are prerequisite: Principles of Accounting, 6 hrs.; Principles of Management, 3 hrs.; Principles of Marketing, 3 hrs.; Principles of Economics, 3 hrs.; Statistics, 3 hrs.

With permission of the advisor, certain of these core courses may be taken concurrently with enrollment in M.B.A. courses. However, all core requirements must be met by the time a student has completed 12 hours of graduate courses. Credit for prerequisite courses may be granted based on professional experience.

Requirements for Master of Business Administration Degree

1 For continuance in Wesleyan's M.B.A. program a candidate must maintain a 3.0 grade point average and earn no more than six hours of average course work (two C grades) or three hours of a lower grade.

2 All degree candidates are required to complete 36 semester hours, including BUS 501, 515, 520, 530, 540, 545, 570, 585, 595. The remaining nine hours may be elected from other listed graduate business courses or courses approved for transfer from other institutions.

3 An application for degree must be filed one semester prior to graduation.

4 An exit evaluation will be scheduled with the M.B.A. steering committee.

BUS 501. Advanced Managerial Accounting. **3 hrs.**

Special topics in cost accounting including budgeting, profit plan control, tax planning, inventory control, with special emphasis on decision models. Cash forecasting, modeling the financial aspects of the firm and analyzing the financial statements for investment decisions. *Prerequisites:* Accounting I, II; BUS 505 if accounting study or professional practice is not recent.

BUS 505. Financial Accounting. **3 hrs.**

The rationale for, and implications of, important accounting concepts and accounting procedures that enable the student to interpret, analyze, and evaluate financial statements. Applications of financial statements to the decision-making process. *Prerequisites:* Accounting I, II.

BUS 515. Financial Management. **3 hrs.**

A study of the development of the financial management issues of a corporation, including the analysis of various financial models to improve existing short- and long-term asset management and the cost of obtaining new capital for expansion through debt or equity issues. Specific topics include the importance of budgeting techniques in decision making, and the role of leverage and its impact on a corporation. *Prerequisites:* Accounting I, II.

BUS 520. Operations Management. **3 hrs.**
A study of the structure and behavior of an organization in relationship to planning, organizing, staffing, leading, and controlling from the system perspective. Quantitative techniques, as well as creativity, considered as methods of solving problems and making managerial decisions. *Prerequisite:* Principles of Management.

BUS 523. Organizational Behavior. **3 hrs.**
The development of effective work groups in business based on the study of both intrapersonal and interpersonal relationships. The individual's personal relevance probed through the study of perception, motivation, learning, attitude and stress. Interpersonal relations in such areas as leadership, communication, problem solving, influence and power. Exercises, observation schemes, and conceptual models.

BUS 525. Human Resources Management. **3 hrs.**
The process of bringing people and organizations together so that the goals of each are met. Emphasis on the growing need to link strategic planning of the organization with human resource planning.

BUS 527. Leadership. **3 hrs.**
Leadership as a function of management, including specific approaches and techniques that have proven effective. Literature search focused on the particular knowledge and skills that enhance leadership abilities; class and panel discussions of the leadership role, emphasizing the importance of communication skills and the development of an effective work environment. Written and oral components.

BUS 530. Marketing Management. **3 hrs.**
The marketing function and its problems from the management point of view. Consumer behavior, identification, and measurement with relevance to market segmentation and product positioning. Analysis of the market mix product, pricing, distribution and promotion. Student involvement through oral and written reports, case studies, class presentations and exams. *Prerequisite:* Principles of Marketing.

BUS 532. International Marketing. **3 hrs.**
The strategic implications of international marketing—whether one is deciding to market abroad or determining how to defend against foreign competition at home. Case studies will concentrate on building market plans spanning two or more countries; both industrial and consumer markets will be covered. Topics will include the organizational problems of managing markets at great distances; culture and its implications for the analysis of consumer motivation; international transactions and nations' comparative advantages in international trade. *Prerequisite:* BUS 530.

BUS 540. Business Research and Forecasting. **3 hrs.**
The sources and uses of business data. Methodology of research design and execution including the scientific approach, descriptive versus causal studies, data collection, questionnaire design, sampling theory, data compilation and interpretation, variance analysis, extrapolation, and the writing and presentation of business research findings. Emphasis on the practical uses of research in decision making. *Should be taken as one of the first M.B.A. courses.*

BUS 545. Statistical Methods. **3 hrs.**
Statistical models, probability distributions, hypothesis testing, regression, transformations, analysis of variance, Chi-square and split-plot experimental designs, planned and unplanned multiple and orthogonal comparisons, time series analysis and forecasting. Computer software analysis of case materials. *Prerequisite:* Statistics.

BUS 548. Operations Research. **3 hrs.**
The application of operation research/management science techniques to the management decision process. Decision theory, decision trees, linear programming, dynamic programming, transportation models, queuing theory, simulation, network analysis, and inventory models.

Emphasis on the practical application of management science tools to solving realistic problems via the microcomputer. *Prerequisite:* BUS 545 recommended.

BUS 560. Management Information Systems. **3 hrs.**

The impact of computer technology on the management of resources. Computer management applications, information management, system performance, system planning, selection, implementation, and evaluation from a managerial perspective. Presentations and case analysis using current software packages for decision analysis, modeling, and data storage and retrieval.

BUS 570. Managerial Economics. **3 hrs.**

The principle uses of economic theory in managing the firm. Applying economic analysis to solving problems faced by business management; understanding the economic basis for business policies and key economic concepts that affect business decisions. Economic and legal backgrounds of decisions on price, output, investment, and related matters; consequences of such decisions. *Prerequisite:* Principles of Economics; Statistics recommended.

BUS 580. Global Economic Restructuring. **3 hrs.**

An examination of fundamental global economic changes and the corresponding role of the corporation. The United States economy is compared with the Japanese, European, and Third World economies. Policy implications for business and government are examined.

BUS 581. Business and Public Policy. **3 hrs.**

The interaction between the executive and legislative branches of government and business in the United States and other countries in a macroeconomics context. The impact of government's fiscal and monetary policies on the economy in general and business in particular. *Prerequisite:* Principles of Economics.

BUS 583. Personal Investment Strategy. **3 hrs.**

The practical application of concepts of investing and personal financial planning. Consideration of the various investment opportunities in the United States today, with primary emphasis on the stock market. The goal will be to set forth investment principles that the student can apply to maximize return and minimize risk.

BUS 584. Productivity Software for Managers. **3 hrs.**

Computer-based information processing systems that support the operations and decision-making processes in organizations. Students will gain hands-on experience in using productivity software, including spreadsheet, database, graphing, and word processing packages, on both the mainframe and the personal computer. No previous computer experience is required. This course is recommended as a foundation M.B.A. course for students who do not have strong database and spreadsheet background.

BUS 585. Business and Society. **3 hrs.**

The ethical core of managerial problems: ethics and the free market ideology; the competitive advantage of ethics-based thinking; uncovering organizational ground rules; breaking the gridlock of competing interests; three ethical conceptual "tools;" resolving conflicts between business ethics and public ethics; why organizations should have weak cultures and strong ethics; purpose, creativity, and responsibility. Extensive use of case studies and student presentations.

BUS 588. Special Topics. **3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

BUS 590. Executive Communications. **3 hrs.**

The implications and importance of clear, correct and coherent communication in the business environment. Oral presentations and writing effective letters, memos and reports.

BUS 595. Business Policy. 3 hrs.
Capstone course, taken near the end of the program, to integrate the functional areas of accounting, finance, management and marketing. Patterned after the Harvard case method. Out-of-class reading, analysis, and study group interaction; written communication, panel discussions and oral reports. *Prerequisites:* BUS 501, 515, 520, 530, 570.

Chemistry

Hamner, Richter

The chemistry program provides a chemical science background to meet the needs of students planning careers requiring an understanding of chemistry. General Chemistry and Principles of Chemistry are introductory courses that meet the general studies science requirement. Principles of Chemistry and Organic Chemistry provide the basis for the two degree programs offered by the department: a B.S. degree for students preparing for the chemical profession or graduate school, and a B.A. degree for those planning to teach chemistry at the secondary school level or preparing to enter professional schools in fields such as medicine and dentistry. Three years of high school mathematics and one of high school chemistry are recommended prerequisites for elementary courses, particularly Principles of Chemistry.

Requirements for a Bachelor of Science Major
40 semester hours including CHE 161, 162, 221, 222, 231, 240, 331, 332, 340, 360, 497, 499; plus CHE 315 or 415.

Requirements for a Bachelor of Arts Major
25 semester hours including CHE 161, 162, 221, 222, 231, 497.

Requirements for Minor
CHE 161, 162, and a minimum of eight hours above CHE 162.

CHE 105. General Chemistry I. 4 hrs.
A general studies survey course, appropriate for students in nursing, sports medicine and related fields. Lecture and laboratory. *Students may not receive credit for both CHE 105-106 and CHE 161-162.*

CHE 106. General Chemistry II. 4 hrs.
Continuation of CHE 105. *Prerequisite:* CHE 105.

CHE 161. Principles of Chemistry I. 4 hrs.
Concepts and problem solving for science majors including premedicine and related fields; prerequisite for all courses above CHE 162. Lecture and laboratory. *Students may not receive credit for both CHE 105-106 and CHE 161-162.*

CHE 162. Principles of Chemistry II. 4 hrs.
Continuation of CHE 161. *Prerequisite: CHE 161.*

CHE 188, 288, 388, 488. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

CHE 221. Organic Chemistry I. 4 hrs.
Theory and practice of organic chemistry, including elements of spectroscopy. Lecture and laboratory. *Prerequisite:* CHE 162.

CHE 222. Organic Chemistry II. 4 hrs.
Continuation of CHE 221. *Prerequisite:* CHE 221.

CHE 231. Quantitative Chemical Analysis. **4 hrs.**
Principles and techniques of analytical chemistry with emphasis on systems in equilibrium; volumetric, gravimetric, and instrumental analyses. Includes statistical treatment of data. Lecture and laboratory. *Prerequisite:* CHE 162.

CHE 240. Spectroscopy. **4 hrs.**
Principles and techniques of common spectroscopic methods, with emphasis on problem solving. *Prerequisite:* CHE 221 or permission of instructor.

CHE 315. Intermediate Laboratory. **1 hr.**
A series of laboratory exercises in synthesis, use of apparatus, and instrumental analysis. *Prerequisite:* CHE 162.

CHE 331. Physical Chemistry I. **3 hrs.**
Application of the physical laws to chemical systems, including thermodynamics, quantum mechanics, and kinetics. *Prerequisites:* CHE 162, MTH 162, PHY 152.

CHE 332. Physical Chemistry II. **3 hrs.**
Continuation of CHE 331. *Prerequisite:* CHE 331.

CHE 340. Inorganic Chemistry. **2 hrs.**
A survey of the chemistry of nonmetals and transition metals, with emphasis on covalent and coordination compounds. *Prerequisite:* CHE 162.

CHE 341. Advanced Chemistry. **2 hrs.**
Concepts and relationships in specialized areas of descriptive chemistry. *Prerequisites:* CHE 222, 340.

CHE 350. Biochemistry. **3 hrs.**
Structure, function, and metabolism of biomolecules, with emphasis on the flow of energy. *Prerequisite:* CHE 222.

CHE 355. Biochemistry Laboratory. **1 hr.**
Laboratory exercises which emphasize the techniques and theories of isolating and characterizing biologically important compounds. Techniques include spectrophotometry, chromatography, electrophoresis, high speed centrifugation, and respirometry. *Pre- or corequisite:* CHE 350.

CHE 360. Specialized Chemical Analysis. **2 hrs.**
Principles and applications of the less common techniques of chemical and instrumental analyses. *Prerequisites:* CHE 231, 240.

CHE 399. Research I. **1-2 hrs.**
Laboratory activities to acquaint the intermediate student with the process of chemical research, including literature search. *Prerequisite:* CHE 221. *May be repeated once for credit.*

CHE 415. Advanced Laboratory. **1 hr.**
Laboratory experiments in the techniques of physical chemistry including kinetics, equipment interfacing, electronics, and surface phenomena. *Prerequisite:* CHE 331, or CHE 231 and permission of instructor.

CHE 497. Seminar. **2 hrs.**
Development of scientific communication skills; oral and written presentations derived from the primary chemical literature; introduction to on-line literature search skills. *Satisfies advanced composition requirement for general studies. Prerequisite:* Senior-status chemistry major or minor.

CHE 499. Research II. **1-2 hrs.**
Laboratory activities to acquaint the advanced student with the process of chemical research, including literature search, with emphasis on written and oral scientific communication skills. *Prerequisites:* CHE 222, 231, and consent of instructor. *May be repeated once for credit.*

Christian Education and Church Leadership

Carr, P. Coston, Wood

A major in Christian education and church leadership is designed to prepare students for graduate study and for full-time Christian vocations in various specialized ministries in or related to the church, including program director, director of Christian education, director of children's, youth, or adult ministries, minister of education, pastor, or church and community worker.

Students may elect a minor in Christian education and church leadership with studies in education, music, or sociology, leading to careers that combine these emphases. Students interested in exploring the possibility of church careers or in increasing their understanding for future leadership in the church as lay persons are encouraged to consider electives from CED 110, 120, 210, and 220.

Requirements for Major

CED 110, 120, 210, 220, 310; CED 320 or 330 or 340; CED 411, 412, 421; REL 221 or 222; REL 230 or 235; EDU 201 or PSY 235 or 236.

Requirements for Minor

15 semester hours.

CED 110. Introduction to Church Vocations. **3 hrs.**
An introduction to opportunities for Christian ministry and service as an ordained minister, diaconal minister or Christian lay person. The meaning of vocation opportunities, requirements for church-related vocations. Guest speakers share their experience of ministry with the class.

CED 120. Foundations and Curriculum. **3 hrs.**
A study of the foundations of the Christian faith in relation to the educational ministry of the church, a survey of curriculum materials, the aims of Christian education, and teaching/learning methods.

CED 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

CED 210. Leadership in the Church. **3 hrs.**
Leadership processes in the life of the church: the implications of the concept of the church; leadership roles and group processes; goal setting and administrative procedures; structures and programming for ministries.

CED 220. The Bible in Christian Education. **3 hrs.**
The significance of the Bible for nurture in the church, in relation to the capacities and needs of all ages. *Prerequisite:* REL 101.

CED 230. The Christian Minister I. **2 hrs.**
Introductory studies of basic ministry skills and understandings, for pastors, Christian educators, interested laypersons on such topics as pastoral care, adult Bible study.

CED 231. The Christian Minister II. **2 hrs.**
Introductory studies of basic ministry skills and understandings, for pastors, Christian educators, interested laypersons on such topics as worship, preaching, evangelism, administration.

CED 310. Christian Education Theory. **3 hrs.**
The implications of theology and Christian education theory for the practice of Christian education. A survey of the Sunday School, Religious Education, Christian Education movements, leading theorists, and issues. *Prerequisite:* CED 210 or 220.

CED 320. Youth and Adult Ministries in the Church. **3 hrs.**
A study of effective structures, programs, and methods for Christian ministry with youth and adults. Understanding the needs of youth and adults, how they learn and how their faith develops. *Offered in alternate years.*

CED 330. Children's Ministries in the Church. **2 hrs.**
A study of effective structures, programs, and methods for Christian ministry and advocacy for children. Understanding the needs of children, how they learn and how their faith develops. *Offered in alternate years.*

CED 340. Outreach Ministry. **2-3 hrs.**
Application of social concern principles to the needs of persons through actual experience of volunteer service; orientation to church efforts to cooperate with social agencies; study of poverty; volunteer service.

CED 411. Senior Field Work I. **3 hrs.**
Supervised teaching and leadership experiences in a variety of church programs: church school administration, organization, and teaching; planning and leading teacher training and development workshops. *Prerequisite:* CED 310.

CED 412. Senior Field Work II. **3 hrs.**
The role of the Christian educator and multiple staff relationships; the dynamics of ministry in the local church; leadership training and development skills. *Prerequisite:* CED 310.

CED 421. Senior Seminar. **1 hr.**
Comprehensive review of Christian education theory, investigation of some current issues, and their implications for the practice of Christian education. *For majors only.*

Communication and Dramatic Arts

Lee, Long, Norvell, S. Presar, Reed, Rinkel, Urquhart

The Department of Communication and Dramatic Arts offers several related major and minor programs designed to help students achieve effective, artistic, creative, and ethical self-expression in response to their environment. Recognizing that communication is the basis of all human interaction, the department provides communication and theatre experiences that may be helpful to all students.

Non-majors, as well as majors, are encouraged to benefit from a flexible program of courses and co-curricular activities. Students may consult with any departmental faculty to select courses which may prove most helpful in achieving individual goals.

Requirements for Speech Communication and Dramatic Arts Major

42 semester hours in addition to COM 211, including COM 110, 221, 226, 320; 230 or 327; DRA 110, 120, 241; two courses from DRA 309, 310, 315, 320; either DRA 325 or COM 310; either COM 325 or DRA 345; plus six hours of electives from communication and/or dramatic arts. Students must complete four semesters of participation in intercollegiate forensics, video production, or C92-FM Radio or major responsibilities in West Virginia Wesleyan College Theatre, at least one semester of which must be in forensics and one in theatre.

Requirements for Speech Communication Major

30 semester hours above COM 211. Required courses are 110, 221, 226, 230, 320, 324, 325, and 327 (DRA 241 and 242 may be credited toward the major). Also required are PSY 101, which will not count toward the 30 required hours, and four semesters of participation in intercollegiate forensics, or major responsibilities in video production or C92-FM Radio, at least two semesters of which must be in forensics.

Requirements for Speech Communication Minor

15 semester hours above COM 211, including 110, 221, 226, 320, 327; two semesters of participation in intercollegiate forensics, or major responsibilities in video production or C92-FM Radio, at least one semester of which must be in forensics.

Requirements for Dramatic Arts Major

45 semester hours, including DRA 110, 120, 210, 241, 325, 345, 395; COM 110; three of the following: DRA 309, 310, 315, 320; and 12 hours selected from remaining dramatic arts courses, COM 310, and ENG 350. Students must complete major responsibilities in at least four major West Virginia Wesleyan College Theatre productions.

Requirements for Dramatic Arts Minor

18 semester hours, including 110, 120 or 210, 241; two of the following: 309, 310, 315, 320; three additional hours from other dramatic arts courses. Students must complete major responsibilities in at least two major West Virginia Wesleyan College Theatre productions.

Requirements for Public Relations Major

40 semester hours in addition to COM 211, including 230, 235, 320, 324, 327, 340, 342, 396; BUS 160, 264; ENG 215, 319; and ART 121. *This major may not be combined with a speech communication major or minor or a mass communication minor.*

Requirements for Mass Communication Minor

17 semester hours in addition to COM 211, including 139, 230, 235, 239, 325 and 340 and ENG 215; two semesters of participation with major responsibilities in C92-FM, video production, and/or *Pharos* or equivalent, one of which must be in broadcasting. *This minor may not be combined with either a speech communication or public relations major.*

Communication

Courses and co-curricular activities offered in communication are designed to provide theory and experiences in all aspects of interpersonal and audience-oriented transactions, mass media, and public relations. Students will be provided a broad background on which to base graduate study in areas such as communication, public address, or public relations. Others may develop the knowledge and skills necessary for certain occupations in communication, business, public relations, mass media, or service-oriented fields.

COM 110. Voice and Diction. **3 hrs.**

A study of the physical production, resonation, and articulation of sound for normal human speech, with an introduction to the international phonetic alphabet. Students are introduced to exercises which may help them develop a strong, flexible, resonant voice and good diction.

COM 118. Novice Intercollegiate Forensics. **1 hr.**

An introductory course designed to provide knowledge and experience in public speaking and interpretation (individual events). Students will participate in intercollegiate forensic tournaments throughout the semester. *May be repeated for a second hour of credit.*

COM 139. Introduction to Radio Broadcasting. **1 hr.**

The student will conduct an independent study, under the organizational direction of the instructor, on a radio project of his or her own design. Students are also encouraged to become regular staff members of the college radio station, C92-FM, and may, if they choose, present their project over the air late in the semester. *Prerequisite:* Instructor's permission.

COM 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on selected topic within the discipline that is not otherwise represented in the curriculum.

COM 211. Fundamentals of Oral Communication. **3 hrs.**
An introduction to the fundamental concepts involved in any communication situation. Contemporary theories in intrapersonal, interpersonal, small group, organizational, public address, and mass communication will be studied. Practical communication experience will be provided through classroom exercises, projects and speeches. *Prerequisite:* ENG 102 or instructor's approval.

COM 218. Intercollegiate Forensics. **1 hr.**
This course prepares the student for successful participation in intercollegiate individual events (public speaking and interpretation) on an advanced level. The student will participate in intercollegiate forensic tournaments throughout the semester. *Prerequisites:* COM 118 and instructor's permission. *May be repeated for a total of six hours of credit.*

COM 221. Interpersonal Communication. **3 hrs.**
A study of the situational and developmental views in building interpersonal communication and its influence in the enhancement, maintenance, and/or deterioration of relationships. Students will explore interpersonal communication theories, styles, competence levels and coding structures. Emphasis will also be given to various relational contexts, functions and patterns. *Prerequisite:* COM 211 or permission of instructor.

COM 226. Public Address. **3 hrs.**
Examination of advanced speech delivery techniques, evidence and reasoning used in public speaking. Critical characteristics of the audience and related concepts will also be explored. Students will research, organize, and deliver several different types and forms of speeches. *Prerequisite:* COM 211.

COM 230. Introduction to Mass Media. **3 hrs.**
The historical development of mass media, including print, radio, television and film, will be examined. Government and other control, FCC laws, ethics and responsibility, and the effects of the mass media on our society and the future will be discussed.

COM 235. Basic Video Production. **3 hrs.**
Students will be trained in basic video production techniques. Emphasis will be on video message and image design, mastery of the camera and location shooting, lighting and sound production, editing techniques, and post-production. *Prerequisites:* COM 211 and instructor's permission.

COM 239. Broadcasting Practicum. **1 hr.**
The student will complete an independent study, under the guidance of the instructor, on an advanced project in radio or video research and production. Each student will be responsible for the "pitch," design, and implementation of his or her own original project. *Prerequisites:* COM 139, 230, and instructor's permission. *May be repeated for a total of six hours of credit.*

COM 310. Oral Interpretation. **3 hrs.**
A course providing training for students in the techniques of dramatic reading and reader's theatre, and supporting their creativity in the planning and presentation of programs of a dramatic nature.

COM 320. Small Group Communication. **3 hrs.**
A study of communication in small groups with a balance between theories of small group communication and practical procedures and techniques for improving the functioning of groups. *Prerequisite:* COM 211 or permission of instructor.

COM 322. Speech and Language: Development and Correction. **3 hrs.**
A study of speech and language development in the child with an introduction to the causes and treatment of speech defects. Students will become familiar with techniques for helping the child develop good speech patterns and with referral procedures for children in need of pathological care. The course will be useful to anyone planning to work with children and youth. *Prerequisite:* Permission of instructor. *Offered occasionally, as needed.*

COM 324. Communication Theory and Research. **3 hrs.**
Advanced study of the nature and purpose of theories and research in human communication. The history of communication theory and predominant current theories will be examined. Communication research design and experimental, survey, field, and ethnographic methodologies will be introduced. Students will analyze theoretical and research bases in published studies and prepare an original research proposal. *Prerequisite:* Junior with at least 15 hours in communication or permission of instructor.

COM 325. Seminar in Communication. **3 hrs.**
A seminar designed to study advanced concepts in communication theory. Special topics not covered in the regular course offerings will be discussed. *Satisfies advanced composition requirement for general studies. Prerequisite:* Junior or senior with at least 15 hours in communication or instructor's permission. *Offered spring semester, even years.*

COM 327. Persuasion. **3 hrs.**
A study of public reasoning and argumentation theory. Introduction to motivational appeals and social scientific approaches to creating and evaluating persuasive messages. *Prerequisite:* COM 211.

COM 340. Public Relations Principles and Practice. **3 hrs.**
Introduction to the principles, processes, history, and practice of public relations. Students will learn the nature of public opinion, the application of problem-solving process to case studies, and the use of persuasion and marketing skills in public relations practice. *Prerequisite:* COM 211.

COM 342. Public Relations Writing. **4 hrs.**
Advanced study of the selection and development of public relations writing tools. Emphasis will be on competence in grammar, spelling, and punctuation and choosing the most appropriate medium for the communication task. Emphasis will also be placed on developing the writing tools necessary for application in individual and personal communications, publications, and the mass media. *Prerequisites:* ENG 319 and COM 340.

COM 396. Public Relations Internship. **3 hrs.**
The professional field placement for public relations majors in the senior year. A semester-long working and learning experience in an approved public relations agency, corporate relations department or public information office. Some class meetings required. *Prerequisite:* Consent of department.

Dramatic Arts

Courses and co-curricular activities offered in dramatic arts are designed to provide experiences in all aspects of theatre. Students majoring in the discipline are provided a background on which to base specialized graduate or professional study or direct community and organizational theatre activities. Courses and activities are open to all students who wish to nurture their appreciation for the aesthetic in theatre, and/or seek knowledge and skills applicable to education, religious and service-oriented occupations and avocational involvement in community theatre.

DRA 101. Theatre Practicum. **1 hr.**
Intensive practice in the various aspects of theatre production: acting; design, building and painting scenery and properties; lighting design and execution; costume design and construction; make-up design and application; box office and promotion procedures; children's theatre; technical direction; and stage or theatre management. Students may accomplish their goals through active commitment to West Virginia Wesleyan College Theatre or Reader's Theatre productions or through practicum arranged with department faculty member. *Prerequisite:* Consent of the director or technical director of the theatre. *May be repeated for a total of six hours of credit.*

DRA 110. Introduction to Dramatic Arts. **3 hrs.**
An introduction to the theatre through a survey of its history, literature, and the various artists involved in the creation and production of a play. Lectures, reading, and discussion will be used to investigate the subject matter.

DRA 120. Stagecraft. **3 hrs.**
A course dealing with the basic tools, equipment, construction techniques and painting methods found in the theatre. The building of properties and the movement of scenery will also be explored.

DRA 130. Stage Makeup and Costuming. **3 hrs.**
A survey of makeup and costumes for the theatre. Students will investigate the principles, techniques, and materials of stage makeup through practical experience in their application. They will examine the materials, equipment, and techniques necessary to dress an actor for a theatrical production.

DRA 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

DRA 210. Design for the Stage. **3 hrs.**
A survey of theatre production theories and techniques. The course includes problems with costuming, make up, lighting, sound, scenery, properties, theatre management and theatre architecture.

DRA 220. Scene Design. **3 hrs.**
A combined lecture and laboratory course in contemporary theatre methods of scene design. The student will develop a number of designs along with investigating past and present theories of design. *Prerequisites:* DRA 110, 120, 210.

DRA 230. Lighting. **3 hrs.**
A course dealing with the basic techniques of lighting for the stage, designed to help students acquire competence in creating workable lighting effects for school, church, and community theatres. *Prerequisites:* DRA 110, 120, 210.

DRA 241. Acting I. **3 hrs.**
An introduction to the craft of acting with emphasis on developing skills in relaxation, concentration, imagination, improvisation, and scene study.

DRA 242. Acting II. **3 hrs.**
Continuation of Acting I that focuses on advanced scene study and the creation of character. Assignments will be made from both classical and contemporary material. *Prerequisites:* DRA 241 and consent of instructor.

DRA 309. History of the Theatre I. **3 hrs.**
A comprehensive study of the literature and history of the theatre from primitive man through Elizabethan England. Lectures and discussion concerning plays and historical background.

DRA 310. History of the Theatre II. **3 hrs.**
A comprehensive study of the literature and history of the theatre from Elizabethan England through Romanticism. Lectures and discussions concerning plays and historical background.

DRA 315. Modern Drama. **3 hrs.**
A comprehensive study of the literature and history of the theatre from Romanticism through World War I. Lectures and discussions concerning plays and historical background.

DRA 320. Contemporary Drama. **3 hrs.**
A survey of the significant events, theories, plays and personalities that have contributed to the development of the contemporary theatre in America, Britain, and Europe.

DRA 325. Directing. 3 hrs.

Advanced study in the theory and practice of directing for the theatre, including selection of material, organization of rehearsals, script analysis, casting, staging, and working with actors. Students will be expected to direct a substantial scene or one-act play as a final project. *Prerequisites:* DRA 110, 210, and 241.

DRA 340. Drama for Youth. 3 hrs.

An examination of drama as a tool for aesthetic, emotional, ethical, and social development in young people. The principles governing the production of appropriate plays are examined, dramatic literature for youth is surveyed, and students gain experience in leading dramatic activities with young people. This course is especially recommended to individuals who intend to work with children and young people in schools, churches, and other settings.

DRA 345. Literary Criticism and Dramatic Arts. 3 hrs.

A study of various critical approaches to the theatre, from the Greeks through contemporary critics. Evaluation and application of these approaches to dramatic literature and performance of various periods. *Satisfies advanced composition requirement for general studies. Prerequisite:* Minimum of 20 hours in dramatic arts or consent of instructor.

DRA 350. Advanced Production Laboratory. 3 hrs.

Opportunities for students to gain experience with advanced production techniques in acting, directing, and design. *Prerequisite:* Permission of instructor. *May be repeated once for credit.*

DRA 395. Senior Internship. 3 hrs.

Professional or semi-professional experience in theatrical production for dramatic arts majors. Students will be assigned significant responsibilities determined by their needs and capabilities and the needs of the sponsoring organization. *Prerequisite:* Permission of the faculty.

Computer Science

Clemens, Klausewitz, Lynn

The computer science program at Wesleyan is designed to provide the student with a broad background suitable as a basis for continued studies in graduate school or employment in the computer industry or in business. Students may specialize in hardware, software, or application areas and complete their senior project in their area of interest.

Graduates who major in computer science at Wesleyan will be able to (1) discuss the significant events in the history of the computer's development; (2) set up and install hardware and peripherals; (3) evaluate, install, and use software packages; (4) demonstrate how to use current operating systems/shells/GUIs and utilities; (5) discuss ethical and legal responsibilities of computer professionals and the privacy issue; (6) demonstrate programming proficiency in a high-level language; (7) demonstrate knowledge of a low-level language that reflects the architecture of a microprocessor; (8) set up the hardware, install software, and maintain a local area computer network and access wide-area networks; (9) analyze a problem, design a solution, and debug the solution; and (10) help non-technical users operate computers and run software.

Requirements for Computer Science Major

CSC 140, 150, 210, 220, 310, 320, 330, 495, 498, 499; MTH 161, 162; three courses from CSC 340, 350, 410, 388 (388 may be repeated); one course from MTH 240, 310, 330 (46 semester hours).

The department recommends that computer science majors take PHL 201 (Logic) and a foreign language, both of which may fulfill general studies requirements.

Requirements for Computer Information Science Major

MTH 110; CSC 140, 150, 210, 220, 250; BUS 111, 112, 201, 221; one course from CSC 310, 320, 330, 350, 388; one business course at the 300 level or above (36 semester hours).

Requirements for Computer Science Minor

CSC 140, 150, 210, 220; one course from CSC 310, 320, 330, 350, 388 (15 semester hours).

CSC 101. Computer Literacy. **3 hrs.**
Introduction to computers on the Wesleyan campus and the software that is available. Historical perspectives, current jargon, and state-of-the-art technology will be discussed. Topics include MS-DOS, Windows, Macintosh, word processing, spreadsheet, and database programs, e-mail, accessing remote machines and databases.

CSC 140. Computer Science Essentials. **3 hrs.**
A first course for computer science majors covering hardware and software aspects of currently available computer systems. Hardware topics include setting up a computer system, installing and trouble-shooting boards, memory, disk drives and peripheral devices. Software topics include commands to interact with a variety of operating system user interfaces, use and installation of application-based software packages, electronic mail, and methods to access remote systems and databases. *Usually offered every fall semester.*

CSC 150. Computer Science as a Discipline. **3 hrs.**
An introduction to a variety of topics within the realm of computer science. Topics include history of computers, ethical considerations, data representations, assemblers and compilers, machine architecture, logic gates, operating systems, theory, artificial intelligence, networks, and databases. *Prerequisite:* CSC 140. *Usually offered every spring semester.*

CSC 188, 288, 388, 488. Special Topics. **1-3 hrs.**
Topics that are timely and worthy of exploration. Offerings may consist of but are not limited to CAD, Software Engineering, Artificial Intelligence, Advanced Networking, Simulation, Theory of Computing, Compiler Design, Digitization of Video and Voice, Parallel Computing. *May be repeated for credit.*

CSC 210. Preprogramming. **3 hrs.**
An introduction to the skills needed for computer programming, including problem-solving methods, how to follow, design, and modify an algorithm, as well as current software development methodologies such as top-down and bottom-up strategies. Algorithms will be implemented in a user-friendly computer environment such as Karel, Object Logo, and/or HyperCard. *Usually offered every fall semester.*

CSC 220. Programming. **3 hrs.**
A course covering the basic features of the C/C++ programming language. Topics include data types, declarations, input/output, assignment statements, arithmetic, ifs, loops, methods/functions, pointers, strings, files, bits, dynamic allocation, and structures. *Prerequisite:* CSC 210. *Usually offered every spring semester.*

CSC 230. Introduction to FORTRAN. **3 hrs.**
The FORTRAN programming language is introduced and used extensively in many applications. Covers all of FORTRAN-77 with a brief introduction to FORTRAN-90. *Prerequisite:* Satisfactory performance on a readiness test given during the first class session or CSC 210. *Usually offered every fall semester.*

CSC 240. Introduction to BASIC. **3 hrs.**
The BASIC programming language is introduced and used in applications from many areas. Covers all BASIC instructions through the latest revisions of the language. *Prerequisite:*

Satisfactory performance on a readiness test given during the first class session or CSC 210. *Usually offered every spring semester.*

CSC 250. Management of Information Systems. **3 hrs.**
An overview of skills required to manage information systems from a business administration standpoint. Topics include effective communication and documentation, executive users and information systems, decision support systems, and resource planning. *Usually offered spring semester, odd years.*

CSC 310. Advanced Programming. **3 hrs.**
An object-oriented approach to data structures and algorithm analysis. Topics include advanced features of C++, stacks, queues, sorts and trees as well as time and space analysis. *Prerequisite:* CSC 220. *Usually offered every fall semester.*

CSC 320. Assembly Language/Microprocessor Architecture. **3 hrs.**
A study of the details of a computer at the machine level. The student will learn an assembly language and use it to investigate the architecture of a particular microprocessor. Much of the work will be project-oriented. *Prerequisites:* CSC 150, 220, 310. *Usually offered spring semester, odd years.*

CSC 330. Computer Networks. **3 hrs.**
A study of different types of computer networks—their strengths and weaknesses. Topics include selection of network software and hardware as well as an overview of communication protocols and parallel computers. A major component of the course will be hands-on activities installing, maintaining, and fine-tuning a computer network. *Prerequisite:* CSC 220. *Usually offered spring semester, even years.*

CSC 340. Operating Systems. **3 hrs.**
Organization of computer systems supporting a wide variety of users. Topics include process communication using semaphores and mailboxes, deadlocks, multiprogramming, scheduling algorithms, memory management, file system design and management. *Prerequisite:* CSC 310. *Usually offered spring semester, odd years.*

CSC 350. Database Management Systems. **3 hrs.**
Comparison of hierarchical, network, and relational database designs; coverage of implementation and security issues; in-depth study of a particular database package. *Prerequisite:* CSC 140 or 250. *Usually offered spring semester, even years.*

CSC 410. Organization of Programming Languages. **3 hrs.**
Formal analysis of computer programming languages. Topics include information binding, scope rules, execution environments, control structures, data abstraction, imperative, declarative, functional and visual languages. *Prerequisite:* CSC 310. *Usually offered spring semester, even years.*

CSC 495. Computer Science Internship. **1 hr.**
An opportunity to work with end users and explain technical ideas to non-technical people in terms that can be understood—preparation for a vast number of computer jobs dealing with the public. May be fulfilled by an outside placement, by tutoring in the computer lab, or by working for the computer center. *Prerequisite:* Major or minor in computer science department or consent of instructor. *Usually offered every semester.*

CSC 498. Senior Project I. **3 hrs.**
An in-depth project designed and implemented by the student demonstrating both research and programming skills. *In combination with* CSC 499, *satisfies advanced composition requirement for general studies. Prerequisite:* Major in computer science. *Usually offered every fall semester.*

CSC 499. Senior Project II. **1 hr.**
Presentation of the senior project to interested faculty and upper-division math, engineering, and computer science students. *In combination with* CSC 498, *satisfies advanced composition requirement for general studies. Prerequisite:* CSC 498. *Usually offered every spring semester.*

Developmental

Developmental offerings are designed to assist students to improve their academic and planning skills so they may become more effective college students and lifelong learners. A *maximum of seven developmental course credits may count toward graduation.*

DEV 005. College Study Strategies. **2 hrs.**
A course designed to teach students skills and strategies to become independent learners. Using classroom and lab settings, the course deals with areas such as understanding and learning from textbooks and lectures; effective techniques of preparing for exams; time management; the roles of motivation, interest and learning styles; and improving comprehension, vocabulary, reading rate, visual thinking and memory. *Students may not receive credit for both DEV 005 and DEV 006.*

DEV 006. Techniques of Study. **1 hr.**
An introductory six-week course designed to help students develop study skills and a systematic approach to learning, with emphasis on application in current courses. *Students may not receive credit for both DEV 006 and DEV 005.*

DEV 007. Techniques of Reading. **1 hr.**
A six-week course to develop strategies which enhance understanding and remembering written material with an emphasis on practice to develop an effective and flexible reading rate.

DEV 008. Reading and Study Development Laboratory Practicum. **1-2 hrs.**
An individualized program or small group experience. Students can work independently to build skills in studying, reading, writing, math or to prepare for graduate school exams. Group sessions deal with personal computers, test taking, time management, visual thinking, writing techniques. *Prerequisite:* DEV 005, 006 or 007 or permission from a Learning Center staff member for individualized programs; none for group sessions.

DEV 030. Career Planning. **1 hr.**
A course designed primarily for freshmen and "undecided" students. Participants identify and evaluate their interests, skills, and career options through a series of interactive exercises and guided workshops. *Pass/Fail grading.*

DEV 031. Job Search for Seniors. **1 hr.**
Seniors prepare to "market" themselves through the development of applied skills in resume and cover letter writing, employer research, and job search techniques. Intensive interviewing practice includes videotaped interviews for self-critique.

DEV 050. Basic Library Skills. **1 hr.**
Familiarization with the facilities and services of the West Virginia Wesleyan College Library. Introduction to selected basic reference sources through a series of exercises, each dealing with a specific type of source. A self-paced course useful to all students. *Pass/Fail grading.*

DEV 060. Developmental College Mathematics. **3 hrs.**
The arithmetic of whole numbers, fractions, and decimals. Ratio and proportions, percents and applications of both. Conversions within the English and metric systems. An introduction to measurements, simple graph interpretation and geometry; exponents and radicals. Emphasis throughout on calculations, applications, and problem-solving techniques. *Prerequisite:* Official placement. *Usually offered every semester.*

DEV 062. Developmental Algebra. **3 hrs.**
Signed numbers; linear equations and inequalities in one and two variables; the four binary operations on polynomials; factoring, fractions and fractional equations, exponents and radicals, literal equations and formula solving; the construction of graphs; an introduction to quadratic equations. Emphasis throughout on applications and problem-solving techniques. *Prerequisite:* MTH 060 or official placement. *Usually offered every semester.*

Divisional

The four divisions group academic departments and disciplines to promote cooperation and to coordinate interdisciplinary study. They are

I **Humanities:** Art, Christian Education and Church Leadership, Communication and Dramatic Arts, English, Modern and Classical Languages, Music, Philosophy, and Religion.

II **Physical and Biological Sciences:** Biology, Chemistry, Computer Science, Mathematics, Nursing, and Physics and Engineering.

III **Social Sciences:** History, Political Science, Psychology, and Sociology and Anthropology.

IV **Applied Arts and Sciences:** Business and Economics, Education, Human Ecology, and Physical Education and Health.

Courses listed as divisional are either interdisciplinary, multidisciplinary or do not fit within the departmental structure of the college.

DIV 101. Introduction to the Humanities. **3 hrs.**
Exploration of major works in the arts and humanities recognized as perennially significant expressions of human creativity and insight. Within the general studies program this course focuses on Western foundations of our heritage, building a common basis for subsequent college studies. The course will be taught by faculty from various disciplines and emphasizes interpretation of primary works through group discussion. *Must be taken during the freshman or sophomore year.*

DIV 115. Freshman Seminar. **1 hr.**
A small group-discussion course designed to assist students in the transition from high school to college by helping them clarify academic expectations of college and establish appropriate personal educational goals. Specific course content will vary from section to section. *Pass/Fail grading.*

DIV 121. Social Science for Education. **3 hrs.**
Introduction to the perspective, basic ideas and tools of the social sciences. Specific social issues analyzed using an approach which integrates data and perspectives of history, geography, anthropology, psychology, sociology, economics and political science. *Enrollment limited to elementary education majors.*

DIV 141. World Geography. **3 hrs.**
An introductory study of world regions focusing on individual countries and areas. Course content draws on physical and cultural elements that assist the student in interpreting the living conditions and actions of humankind in diverse parts of the world.

DIV 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic that is not otherwise represented in the curriculum.

DIV 210. Literature for Children. **3 hrs.**
A survey of children's literature designed for teachers and librarians in elementary schools. Evaluation, selection and use of books and related materials for children. *Required for elementary teacher education.*

DIV 310. Honors Seminar. **1 hr.**
Weekly discussion of current events topics. Students will submit a brief paper and make a brief oral presentation each week. A common learning experience for Honors students from all disciplines. *Prerequisite:* Honors student or 3.2 GPA and permission of instructor. *May be repeated for credit.*

DIV 320. Honors Thesis. **2 hrs.**
An individual student project conducted under the supervision of a faculty member approved by the Honors Committee to satisfy requirements for the Honors Degree. Oral presentation required. *Satisfies advanced composition requirement for general studies. Prerequisite:* Honors student.

Dramatic Arts

See Communication and Dramatic Arts for description of major and minor programs.

Economics

See Business and Economics for description of major and minor programs.

Education

Burgess, Dyer, Fortney, Kean, Miller, L. Rupp, Williams

Wesleyan's teacher education program is approved by the West Virginia Department of Education and the National Council for Accreditation of Teacher Education. It is designed to prepare elementary and secondary classroom teachers who are active learners and decision makers. Their competence as entry-level teachers derives from thorough preparation in their teaching field(s) and from mastery of professional skills appropriate to the level at which they choose to teach. These are complemented by an appreciation for the breadth and richness of culture and a respect for the dignity, diversity, and worth of individuals, both of which are fundamental to a Wesleyan education.

The professional component of the teacher education program includes both course work and field experiences organized around five areas of general concern: instruction and learning; professional, personal, and ethical roles; cultural, social, and school/classroom contexts; individual differences/diversity; and evaluation and decision-making. Public schools in Upshur, Lewis, Harrison, and Randolph counties provide the settings for directed observation and teaching. (Students are responsible for their own transportation during all field exercises and field experiences.)

Graduates of Wesleyan's teacher education program qualify for professional licensure in West Virginia and in most other states. Some states may require limited additional work before a candidate educated out-of-state may be eligible for permanent professional licensure. Because the teacher education program demands very careful coordination of academic, professional, and field instruction, students are encouraged to seek early advising from a member of the education faculty.

Requirements for Major

128 semester hours, including completion of the College's general studies program, carefully coordinated with specific requirements within the appropriate professional education track; formal admission to the teacher education program; maintenance of a cumulative grade point average of 2.5 or above after admission to the teacher education program on all college work and a cumulative grade point average of 2.25 or above in all course work in education and in all course work in each teaching field; and completion of one of the prescribed professional education sequences described below appropriate to elementary teaching (K-8), secondary teaching (9-12 or 5-12, depending upon the field or fields), or combined education (K-12, available in art, health, music, and physical education).

Minors Available to Education Majors

Students majoring in elementary education may declare optional endorsements, listed below under Elementary Education, as minors for purposes of notation on the permanent record. Those completing a program in secondary education may declare their teaching fields as minors. Students in both programs are free to select an optional minor in any discipline offered at the College.

Requirements for (Non-Certification) Minor

15 semester hours in education approved by the department chair including EDU 101, 201, and 230. The minor may include methods courses offered through other departments. *This minor is available only to students with an interest in the field of education who do not intend to seek licensure.*

Admission to the Teacher Education Program

Students may apply for admission to the teacher education program after completion of 50 credit hours of college work; however, they must be admitted prior to enrollment in EDU 320 (Educational Paraprofessionalism), normally taken during January of the junior year. Minimal requirements for admission include

1 50 semester hours of college work in courses at the 100 level or above.

2 A cumulative grade point average of 2.5 or above in courses at the 100 level or above.

3 Successful completion of all sections of Praxis I (PPST).

4 Completion of each of the following courses with a grade of C or above: EDU 101, 201; ENG 102; and COM 211.

5 Submission of two letters of recommendation from faculty members outside the Department of Education.

6 Submission of an autobiographical statement.

7 Department of Education evaluation of writing sample.

8 Evidence of a current, negative T.B. test.

Admission is not automatic for students who meet these minimal requirements. Rather, the Teacher Education Committee will use these data to make an informed professional judgment about the academic and personal suitability of the candidate for the teaching profession. Faculty challenges or evidence of character or personality deficiencies will be considered.

Once a student is admitted to the teacher education program, he or she must maintain a cumulative grade point average of 2.5 or above on all college work and a cumulative grade point average of 2.25 or above in all course work in education and in each teaching field and must be free of substantiated challenges to his or her character or suitability to the teaching profession.

A comprehensive review of each student's performance and progress in the teacher education program is undertaken again before permission is granted to enroll in the professional semester, which includes a block of intensive education courses and student teaching. Students who have completed a minimum of 96 credit hours of college work, have passed the Content Specialization Test, and have met all prerequisites may elect to apply for enrollment in the professional semester either in the fall or spring semester of the senior year. Students who plan to enroll in the professional semester must make application to the Teacher Education Committee. For spring placements, all application materials must be in the Department of Education by the first Monday in October. For fall placements, all application materials must be in the Department of Education by the first Monday in March.

Students may challenge action taken during any phase of the admission or review process by appearing before an appeal committee appointed by the Dean of the College. Requests for

such a challenge must be submitted in writing to the chairperson of the Department of Education. Action by the appeal committee will be final.

Requirements for Licensure (Certification)

Each student must make formal application for a professional license (teacher's certificate) on forms supplied by the state department of education in the state where licensure is desired. It is recommended that all successful teacher education students apply for West Virginia licensure immediately upon graduation, since licensure in other states may require a West Virginia license. Allow eight to ten weeks for processing of the application, which should be submitted through the Registrar's Office.

Although West Virginia does not require the National Teachers Examination (NTE) for licensure, this exam is required for employment in many states. Licensure in West Virginia requires successful completion of the Content Specialization Test. Students are encouraged to work closely with licensure agencies within the state in which they plan to teach. West Virginia licensure requires U.S. citizenship.

Prescribed Professional Education Sequences

Elementary Education (K-8)

EDU 101, 120, 201, 230, 310, 311, 320, 360, 450, 451, 470, 471; ART 310; BIO 140* and either 120* or 130*; CSC 101; DIV 121, 141*, 210; HST 122*; MTH 201*, 202*; MUS 217, 218; PED 140*, 201, 352; PHY 109, 110; SOC 110*; HST/SOC 258* or HST 243*; a three-hour literature course*. **May also apply toward satisfying general studies requirements.*

Students may wish to add one of the following optional endorsements as a means of enhancing employment opportunities:

CONSUMER AND HOMEMAKING (5-8): HEC 101, 121, 130, 202, 214, 258, 265, 312, 351; ART 121; EDU 370 (31 hours total).

MATHEMATICS (5-8): CSC 101; DEV 060*, 062*; MTH 110*, 120*, 130*, 140, 150, 161, 162, 240, 250; EDU 370 (40 hours total*). **Depending upon official placement.*

PHYSICAL EDUCATION (5-8): PED 101 (swimming), 101 (tumbling-gymnastics), 140, 150, 219, 220, 251, 252, 320, 345, 352 (30 hours total plus swimming proficiency).

SOCIAL STUDIES (5-8): DIV 121, 141; HST 101, 102, 121, 122, 239; PSC 101; SOC 110; EDU 370 (29 hours total).

SPECIFIC LEARNING DISABILITIES (K-12): EDU 230, 330, 340, 345, 350, 410, 473 (22 hours total).

Secondary Education (9-12 or 5-12, depending on the teaching field or fields)

Endorsement in specific teaching fields must conform to state licensure standards, which are subject to change. Students are urged to work closely with an advisor on the education faculty in order to meet all current requirements.

1 Professional education core: EDU 101, 120, 201, 230, 320, 370 (where applicable).

2 Professional semester courses: EDU 460, 461, 462, 471 (or 472 as applicable), 474 (or 475 as applicable).

3 Selection of courses to satisfy general studies requirements to include CSC 101, PED 130 or 201, HST/SOC 258 or HST 243, a three-hour literature course.

4 Selection of one of the secondary teaching fields from the following list.

ART (5-12): ART 101, 111, 121, 201 or 220, 211, 241, 242, 306, 310, 315, 330, 361 or 370 (36 hours total).

BIOLOGY (9-12): BIO 160, 220, 231, 232, 250, 310, 354, 355; a four-hour course in evolution; BIO 260 or 270; CHE 161, 162; PHY 121, 151, 152; MTH 130; EDU 370 (60 hours total).

BUSINESS PRINCIPLES (9-12): BUS 101, 111, 112, 140, 160, 201, 221, 303, 304, 309; ECO 110, 120; CSC 101, 250; EDU 370 (44 hours total).

CHEMISTRY (9-12): CHE 161, 162, 221, 222, 231, 240, 331, 350; a two-hour chemistry elective; BIO 160, 231; PHY 121, 151, 152; MTH 161; EDU 370 (57 hours total).

CONSUMER AND HOMEMAKING (5-12): HEC 101, 121, 130, 202, 214, 233, 258, 265, 312, 317, 328, 336, 351; ART 121; SOC 220; EDU 370 (45 hours total).

ENGLISH/LANGUAGE ARTS (5-12): ENG 101*, 102, 235, 237, 240, 250, 260, 319, 320, 350, 420; ENG 351 or 353; ENG 245 or 248 or 270; one additional writing course; two additional literature courses above the 100 level; COM 211; EDU 370, 462 (50-53 hours total*). **Depending upon official placement.*

GENERAL SCIENCE (5-12): BIO 160, 231, 232, 310; CHE 161, 162; PHY 121, 122, 131, 151, 152, 250; 5 hours of science electives; MTH 161; EDU 370 (55 hours total).

MATHEMATICS (5-12): CSC 101; MTH 110*, 120*, 130*, 140, 150, 161, 162, 223, 240, 250, 310, 320, 330, 341; EDU 370 (49 hours total*). **Depending upon official placement.*

PHYSICAL EDUCATION (5-12): PED 101 (swimming), 101 (tumbling-gymnastics), 140, 150, 201, 219, 220, 251, 252, 320, 325, 345, 349, 353 (37 hours total plus swimming proficiency).

PHYSICS (9-12): PHY 121, 151, 152, 210, 211, 220, 221, 250, 310, 330, 360; 4 hours of physics electives; BIO 160, 231; CHE 161, 162; MTH 161; EDU 370 (57 hours total).

SOCIAL STUDIES (5-12): DIV 141; ECO 110, 120; HST 101, 102, 121, 122, 239, 261; PSC 101, 202; PSY 101, 301; SOC 101, 110; EDU 370; six hours social science electives (53 hours total).

Students may wish to add one of the following optional endorsements to their primary teaching field as a means of enhancing employment opportunities:

ATHLETIC TRAINING (5-12): PED 140, 201, 204, 209, 210, 219, 220, 304, 309, 310, 320, 325, 345, 349; HEC 265; EDU 201 (38 hours total); plus clinical experience in EDU 471 and 474. *Must be combined with Physical Education 5-12 or K-12 or Health K-12 teaching field.*

CONSUMER AND HOMEMAKING (5-8): HEC 101, 121, 130, 202, 214, 258, 265, 312, 351; ART 121; EDU 370 (31 hours total).

MATHEMATICS (5-8): CSC 101; DEV 060*, 062*; MTH 110*, 120*, 130*, 140, 150, 161, 162, 240, 250; EDU 370 (40 hours total*). **Depending upon official placement.*

PHYSICAL EDUCATION (5-8): PED 101 (swimming), 101 (tumbling-gymnastics), 140, 150, 219, 220, 251, 252, 320, 345, 352, (30 hours total plus swimming proficiency).

SOCIAL STUDIES (5-8): DIV 121, 141; HST 101, 102, 121, 122, 239; PSC 101; SOC 110; EDU 370 (29 hours total).

Combined Elementary/Secondary Education (K-12)

1 Professional education core: EDU 101, 120, 201, 230, 320, 370 (where applicable).

2 Professional semester courses: EDU 460, 461, 462, 471 (or 472 as applicable), 474 (or 475 as applicable).

3 Selection of courses to satisfy general studies requirements to include CSC 101, PED 130 or 201, SOC/HST 258 or HST 243; one three-hour literature course.

4 Selection of one of the combined elementary/secondary teaching fields from the following list.

ART (K-12): ART 101, 111, 112, 121, 122; ART 201 or 220; ART 211, 241, 242, 306, 310, 315, 325, 330; ART 361 or 370 (45 hours total).

HEALTH EDUCATION (K-12): PED 130, 140, 201, 219, 220, 315, 320; 368 for first teaching field; BIO 160 or 140; HEC 101; PSY 235, 236 (30-31 hours total).

MUSIC (K-12): MUS 101, 102, 110 (voice majors only), 201, 202, 221 and 222 (for non-voice majors), 231, 232, 241, 242, 251, 252, 260, 270, 301, 309, 310, 321, 322, 340, 345; ensemble (four credits minimum); applied music study (attainment of level 8, up to 14 hours); non-keyboard majors must attain piano proficiency level 2 (up to three hours) (54 hours plus proficiency levels).

PHYSICAL EDUCATION (K-12): PED 101 (swimming), 101 (tumbling-gymnastics), 140, 150, 201, 219, 220, 230, 251, 252, 320, 325, 345, 349, 352, 353 (42 hours total plus swimming proficiency).

EDU 101. Foundations of Education. **3 hrs.**
Introductory course in the professional sequence for all who plan to teach. A study of the philosophical, psychological, sociological, and historical foundations of education. Includes 12 hours of field experience.

EDU 120. Audio-Visual Methods. **1 hr.**
Techniques of using audio-visual materials effectively in the classroom. Experience in producing selected instructional materials and operating basic audio-visual equipment. *Prerequisite:* EDU 101.

EDU 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

EDU 201. Learning and Human Development. **3 hrs.**
A combination of developmental and educational psychology, including the study of the physical, cognitive, and psychosocial development of learners from early childhood through adolescence. The course concentrates on theories of learning and the application of those theories to help students learn. Includes 12 hours of field experience. *Prerequisite:* EDU 101.

EDU 230. Special Education: Exceptionalities and Human Diversity. **3 hrs.**
An introduction to the field of special education, including the diverse physical, mental, and educational characteristics of the behavior disordered, physically handicapped, learning disabled, speech and language impaired, visually impaired, hearing impaired, mentally impaired, and gifted. Includes 12 hours of field experience. *Prerequisites:* EDU 101, 201.

EDU 310. The Teaching of Reading. **3 hrs.**
An overview course for pre-service elementary teachers. Special attention is given to reading readiness, planning the reading lesson, skills identification, diagnosing reading difficulties, remedial reading, and types of reading materials. *Prerequisites:* EDU 101, 201.

EDU 311. Developmental and Corrective Reading. **3 hrs.**
Emphasis on teaching reading comprehension, including the identification of types and appropriate uses of diagnostic reading tests; characteristics of common reading deficits among students at different grade levels; and strategies for remediation of reading problems at various grade levels. Students teach a short reading lesson. *Prerequisite:* EDU 310.

EDU 320. Educational Paraprofessionalism. **3 hrs.**
A three-week field exercise designed to provide the education major with paraprofessional experience in a school setting. This course is offered during January or late May. *For January placement, all application materials must be in the Department of Education by the first Monday in October. For May placement, all application materials must be in the Department of Education by the first Monday in March. Prerequisite:* Admission into the teacher education program.

EDU 330. Special Education: Behavior Management. **3 hrs.**
A survey of classroom management and behavior modification procedures utilized in modifying specific behavioral and/or academic characteristics of exceptional children in the classroom. *Prerequisites:* EDU 101, 201, 230.

EDU 340. Special Education: Introduction to Specific Learning Disabilities. **3 hrs.**
Survey course designed to acquaint students with the historical development, etiology, and characteristics of the field of learning disabilities. *Prerequisites:* EDU 101, 201, 230.

EDU 345. Special Education: Teaching Strategies for Specific Learning Disabilities. **3 hrs.**
Techniques utilized in teaching the learning disabled. Includes technology as it relates to methods, how to use specific instructional approaches, and how to modify existing curricular methods to meet individualized needs. *Prerequisites:* EDU 230, 330, 340.

EDU 350. Special Education: Diagnosis, Prescription and Assessment Techniques. **3 hrs.**
An in-depth investigation of and involvement in the diagnosis, prescriptive and assessment techniques used in teaching exceptional children. Students have opportunities to administer formal and informal tests. *Prerequisites:* EDU 230, 330, 340.

EDU 355. Curriculum of Pre-School Education I. **3 hrs.**
Emphasis on interrelatedness of subject matter areas—language arts, sciences, social studies, safety and health, and the creative arts. The developmental sequence and suggested teaching activities and experiences will be discussed in each area. Special emphasis on the interrelatedness of early childhood characteristics and the teaching-learning process. Includes field experience. *Prerequisites:* EDU 101, 201.

EDU 356. Curriculum of Pre-School Education II. **3 hrs.**
Continuation of EDU 355. *Prerequisite:* EDU 355.

EDU 360. Methods of Teaching Social Studies. **2 hrs.**
A course designed for pre-service elementary school teachers. The dominant concepts, skills, and methodology related to the teaching of social studies are emphasized. Attention is given to lesson and unit planning and learning activities, as well as to selection of materials and resources needed to implement those plans at the appropriate age and grade level of the learner. *Prerequisites:* EDU 101, 201; DIV 121.

EDU 370. Special Methods. **2 hrs.**
A course designed for pre-service secondary teachers. Methods for teaching in various specialized teaching fields are examined. Students register for the applicable section (e.g., English, Science). Attention is given to lesson and unit planning with selection of appropriate age level materials. *Prerequisite:* EDU 101, 201.

EDU 410. Special Education: Internship in Specific Learning Disabilities. **3 hrs.**
Student teaching of the learning disabled at the secondary level (grades 9-12) in January or late May. Students will design and conduct consultative/collaborative sessions; develop individualized instructional strategies; apply sound, contemporary methodology; and select appropriate materials. Required in addition to K-8 student teaching for certification in Special Education. *For January placement, all application materials must be in the Department of Education by the first Monday in October. For May placement, all application materials must be in the Department of Education by the first Monday in March. Prerequisites:* EDU 230, 330, 340, 345, 350.

EDU 420. Organization and Administration of Pre-School Education. **3 hrs.**
Emphasis will be placed upon details essential to the organization of an appropriate program for children—records and reports, physical facilities and equipment, working with exceptional children, and the role of the parent. *Prerequisites:* EDU 355, 356.

EDU 430. Public Education and School Nursing. **3 hrs.**
An introduction for baccalaureate nursing students, practicing school nurses and registered nurses interested in careers in the field to the rationale, components and processes of school nursing in the public education setting. *Prerequisite:* NUR 230.

EDU 450. General Methods of Teaching in the Elementary School. **5 hrs.**
Emphasis is placed upon development of teaching aids, integration of subject matter, learning activities, and variety of teaching strategies. *Prerequisite:* Admission to the professional semester.

EDU 451. Classroom Management for Elementary Teachers. **2 hrs.**
A course designed to provide pre-service teachers with skills for effective classroom decision making, including how to structure a classroom climate that promotes student learning. Topics emphasize planning for instructional delivery, instructional strategies, discipline, parent conferences, assessment, school records, school law, scheduling and student motivation. *Prerequisite:* Admission to the professional semester.

EDU 460. Principles and Methods of Teaching in Secondary Schools. **3 hrs.**
A survey of the purposes and problems of secondary education combined with approved management techniques, teaching methods, and measurement and evaluation. *Prerequisite:* Admission to the professional semester.

EDU 461. Classroom Management for Secondary Teachers. **2 hrs.**
An introduction to methods and practices for developing effective classroom management systems for the beginning teacher. Emphasis is placed on two areas: management of the instructional program and management of student activities. The teacher candidate will be assisted in developing plans for effective classroom management which complement the instructional process and assist students to self-regulate their learning and behavior. *Prerequisite:* Admission to the professional semester.

EDU 462. Teaching Reading in the Content Areas. **2 hrs.**
A course for pre-service secondary teachers, to help them teach reading skills directly related to their particular content areas. Emphasis on identification of students who have reading problems and the types of materials that can be used effectively in various content fields. *Prerequisite:* Admission to the professional semester.

EDU 470. Student Teaching in Early Childhood Education (K-4). **4 hrs.**

EDU 471. Student Teaching in Middle Childhood Education (5-8). **4 hrs.**

EDU 472. Student Teaching in Early/Middle Childhood Education.* **4 hrs.**
A five-week teaching experience in classrooms appropriate to the certification sought, under the supervision of a selected professional teacher. Total involvement in the school program is obtained by all-day assignment to teaching responsibilities. Observation, reports, preparation of lesson plans, group and private conferences and analysis of child growth and development are stressed. *For spring placement, all application materials must be in the Department of Education by the first Monday in October. For fall placement, all application materials must be in the Department of Education by the first Monday in March. Prerequisite:* Completion of professional block courses with a grade of C or above. *The Teacher Education fee will be required.*
**Only for students seeking K-12 endorsement in art, music, physical education, health, or specific learning disabilities.*

EDU 473. Special Education: Student Teaching Experience in Specific Learning Disabilities. **4 hrs.**
A minimum five-week full-time student teaching experience in a public school with a qualified teacher certified in learning disabilities. The opportunity to blend theory into practice through application of learned concepts and instructional approaches. *For spring placement, all application materials must be in the Department of Education by the first Monday in October. For fall placement, all application materials must be in the Department of Education by the first Monday in March.*

Prerequisites: EDU 230, 330, 340, 345, 350, 410, and completion of professional block courses with a grade of C or above. *The Teacher Education fee will be required.*

EDU 474. Student Teaching in Adolescent Education (9-12). 4 hrs.

EDU 475. Student Teaching in Adolescent Education (9-12). 8 hrs.

A five-week (4 hrs.) or ten-week (8 hrs.) teaching experience in classrooms appropriate to the certification sought, under the supervision of a selected professional teacher. Total involvement in the school program is obtained by all-day assignment to teaching responsibilities. Observation, reports, preparation of lesson plans, group and private conferences, and analysis of child growth and development are stressed. *For spring placement, all application materials must be in the Department of Education by the first Monday in October. For fall placement, all application materials must be in the Department of Education by the first Monday in March. Prerequisite:* Completion of professional block courses with a grade of C or above. *The Teacher Education fee will be required.*

Engineering Physics

See Physics and Engineering for description of major program.

English

Baldwin, Creasman, DeFoe, Mallory, I. McKinney, Norvell, O'Brien, Reaves, Saunders

Literature and writing should be an integral part of every student's program. Thus, the English faculty seeks to provide courses suitable for all students. Central to its curriculum is the creation of an atmosphere of open inquiry where students and faculty can work together toward greater understanding and appreciation of literature and writing.

The program's aims embrace the best in classic and contemporary literature. The courses are directed toward students in liberal arts, teaching, business, government, and the sciences, and those who intend graduate study in law, medicine, and the ministry. The faculty also encourages students to choose English as a valuable minor area of study.

To accommodate student needs and goals, the English faculty offers an English major with three concentrations or "tracks": a literature concentration for those who want a "general" degree in literary studies or seek to pursue graduate study; a writing concentration for students who wish to enter journalism, freelance writing, or a field where writing skills are in high demand; and a teaching concentration, for those seeking certification as teachers.

Requirements for Major

A minimum of 38 semester hours above composition, including core and individual concentration requirements and electives.

Core Requirements (18 hours): One course from ENG 230-237; ENG 240, 250, 260, 320, and 350.

Literature Concentration (20 hours): ENG 370, 420, and either ENG 351 or ENG 353; plus six hours of literature electives above the 100 level. The six remaining hours may be selected freely from departmental offerings.

Writing Concentration (20 hours): ENG 213, nine hours from writing electives (ENG 215, 311, 313, 315, 317), ENG 410, and six hours of literature electives above the 100 level.

Teaching Concentration: See ENGLISH/LANGUAGE ARTS under Education.

Requirements for English Minor

15 semester hours above composition.

Requirements for Writing Minor

15 semester hours above composition, including ENG 213 and 12 hours of writing electives (ENG 215, 311, 313, 315, 317). One literature course may be substituted for a writing elective.

ENG 101. Composition I. **3 hrs.**

A general course in expository, narrative, and descriptive writing, emphasizing basic writing skills: grammar, punctuation, usage, sentence structure, paragraphing, organization, and thesis support. Short writing assignments and essays. *Students are required to earn a C or better in this course before taking Composition II. This course may be waived on the basis of official placement.*

ENG 102. Composition II. **3 hrs.**

An introduction to persuasive writing and the research paper. This course emphasizes critical thinking and identification with audience, as well as research methods and documentation sources. Essays and a research paper are required. *Students are required to earn a C or better in this course in order to graduate. Prerequisite:* ENG 101 or official placement.

ENG 163. Introduction to Literature. **3 hrs.**

An introductory course devoted to an understanding of poetry, fiction, and drama, with attention to methods of presentation, elements of literature, and content. *Prerequisite:* ENG 102.

ENG 165. Short Fiction. **3 hrs.**

A wide-ranging genre study of short prose works, from the short story to the novella, with attention to both American and international writers. Not open to writing concentration majors. *Prerequisite:* ENG 102.

ENG 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

ENG 213. Introduction to Creative Writing. **3 hrs.**

A workshop course in which students explore several modes of writing—poetry, prose, or drama. Students examine works by master writers, complete assignments, and submit their own work for class review. *Prerequisite:* ENG 102.

ENG 215. Writing for the Print Media. **3 hrs.**

A study of sound journalistic practice in the print media. A hands-on course designed to improve the student's ability to interview, do research, and write editorials, news stories, and feature articles for newspapers and magazines. *Prerequisite:* ENG 102.

ENG 230, 231, 232. Non-Western Literature. **3 hrs.**

An exploration of the traditional and emerging literatures of Africa (ENG 230), or Asia (ENG 231), or other countries, regions, or continents (ENG 232). A wide range of genres from poetry to fiction to film and drama will be investigated. *Prerequisite:* ENG 102.

ENG 235. Early Classics of Western Literature. **3 hrs.**

An exploration of early masterpieces of Western literature, from Homer, Greek drama, and Virgil to Dante. *Prerequisite:* ENG 102.

ENG 237. Modern World Literature. **3 hrs.**

A far-reaching study of modern world writing, investigating significant works from Europe, Asia, and the Americas. *Prerequisite:* ENG 102.

ENG 240. American Classics. **3 hrs.**

A survey of major works of American writers from Bradford to 1900 in their historical, cultural, and literary contexts. *Prerequisite:* ENG 102.

ENG 245. American Ethnic Literature. **3 hrs.**
A survey of the rich ethnic literatures of the United States, including the works of Hispanic, African-American, Native American, Asian-American, and other ethnic writers and filmmakers. Novels, poetry, short fiction, drama, and film may be included. *Prerequisite:* ENG 102.

ENG 248. Appalachian Literature. **3 hrs.**
An investigation into the poetry, short fiction, novels, and other genres of the writers of our region. While many West Virginia writers will be studied, works from the entire Appalachian region will be included. *Prerequisite:* ENG 102.

ENG 250. England, The Heritage. **3 hrs.**
A survey of major works by British writers from Beowulf to 1900 in their historical, cultural, and literary contexts. *Prerequisite:* ENG 102.

ENG 260. Modern Writers in English. **3 hrs.**
A survey of writers in English from 1900 to the present. Modern and contemporary writers will be studied in their historical, cultural, and literary contexts. *Prerequisite:* ENG 102.

ENG 270, 271, 272, 273. Studies in Genre. **3 hrs.**
A study of representative fiction (ENG 270), poetry (ENG 271), drama (ENG 272), or other genres (ENG 273) that illustrates the historical development of a genre particularly in matters of form. *Prerequisite:* One literature course.

ENG 275, 276. Studies in Gender. **3 hrs.**
An exploration through literature and criticism of questions related to gender. Women's Studies (ENG 275) will be offered along with courses that consider other issues related to gender (ENG 276). *Prerequisite:* ENG 102.

ENG 279. Literature and the Bible. **3 hrs.**
A study of archetypal narratives, figures, and concepts in the Old and New Testaments with attention to their reflection in subsequent literature. *Prerequisite:* ENG 102.

ENG 311. Creative Writing: Poetry. **3 hrs.**
Informal workshop course which concentrates on writing poetry and provides a helpful and critical audience for the student's work. *Prerequisite:* ENG 213.

ENG 313. Creative Writing: Fiction. **3 hrs.**
Informal workshop course which concentrates on writing fiction and provides a helpful and critical audience for the student's work. *Prerequisite:* ENG 213.

ENG 315. Creative Writing: Non-Fiction. **3 hrs.**
An informal workshop course that focuses on writing non-fiction pieces and offers a critical and helpful audience to evaluate the student's work. *Prerequisite:* ENG 213.

ENG 317. Autobiography and Journal Writing. **3 hrs.**
An introduction to the autobiographical genre through the reading of five or six autobiographies from the classic Franklin to the contemporary Maya Angelou. The student will explore his or her own life through various journalistic techniques by keeping a personal journal that will, along with the readings, provide material for writing several papers, culminating in an autobiography. *Prerequisite:* ENG 102.

ENG 319. Advanced Composition. **2 hrs.**
An advanced course in composition in which students practice and develop their skills in exposition, narration, description, and argumentation. *Not open to English majors with a writing concentration. Prerequisite:* ENG 102.

ENG 320. The English Language. **3 hrs.**
The history of the English language and its modern evolution, with attention to varying analysis of its structure and grammar. Required for all English majors. *Prerequisite:* ENG 102.

ENG 340, 341, 342. Twentieth Century American Literature. **3 hrs.**
A study of a particular genre such as poetry (ENG 340), fiction (ENG 341), or a theme or topic (ENG 342). A genre course might, for example, look at the novel in the 1990's, while a theme course might pursue the quest for individual identity in American literature of this century. *Prerequisite:* One literature course.

ENG 350. Shakespeare. **3 hrs.**
A study of representative plays: comedies, histories, tragedies and romances against the background of the Elizabethan age. *Prerequisite:* ENG 102.

ENG 351. The Age of Chaucer. **3 hrs.**
The poetry of Chaucer as it developed from Middle English literature under the influence of the French and Italian Renaissance. This course will also address other writers of Chaucer's time, the origins of the ballad, and the beginnings of English drama. *Prerequisite:* ENG 250.

ENG 353. The Age of Spenser and Milton. **3 hrs.**
A study of major works of Milton and Spenser, with additional consideration of poets and prose writers of the English Renaissance and Reformation. *Prerequisite:* ENG 250.

ENG 357. Eighteenth Century British Literature. **3 hrs.**
The literature of England in the eighteenth century, with special emphasis on the prominent authors and dominant literary forms (excluding the novel) of the neoclassical tradition. *Prerequisite:* ENG 250.

ENG 359. Nineteenth Century British Literature. **3 hrs.**
A study of the major literary movements in England in the nineteenth century. The course will survey the entire century, although one era (such as Romanticism) or one genre (such as poetry) might be emphasized. *Prerequisite:* ENG 250.

ENG 370. Critical Approaches and Literary Analysis. **3 hrs.**
A survey of critical approaches from the ancients to contemporary approaches such as feminism and reader-response. Students will read a variety of texts in order to develop their skills in criticism. *Prerequisite:* One literature course at the 200 level or above.

ENG. 410. Senior Thesis: Writing Concentration. **2 hrs.**
Directed by an instructor in the writing program, the writing major in his or her senior year will work on a lengthy writing project, one that represents the student's highest achievement as a writer. *Satisfies advanced composition requirement for general studies. Prerequisite:* Major in English with a writing concentration.

ENG. 420. Senior Thesis: Literature Concentration. **2 hrs.**
Directed by departmental instructors, the student will pursue a project or study that is relevant to literary studies or literary life. The project will be presented orally to complete the course. *Satisfies advanced composition requirement for general studies. Prerequisite:* Major in English with a literature or teaching concentration.

ENG 460. Seminar in Advanced Literary Studies. **3 hrs.**
A detailed study in a seminar setting that involves close reading of the text. The course might focus on a movement, a theme, a writer, a critical approach, etc. *Prerequisites:* ENG 240, 250, 260 and 3.0 GPA in English courses.

English Proficiency

Benigni, M. Welliver

Wesleyan offers English-language instruction for non-native speakers who seek to improve language proficiency for a variety of reasons, chief among them being to participate fully in an academic program of higher education. International students are expected to have

achieved a TOEFL score of 450 to enroll in these courses. Up to 12 credit hours of English proficiency courses may count toward a degree. Credit in the program beyond 12 hours will be classified as developmental and will be subject to the limit of seven hours of such credit that may be applied toward a degree.

EPP 111. Readings in English I. **2 hrs.**
A reading and vocabulary-building course required of all students entering the English Proficiency Program. In addition to classes, student will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

EPP 112. Readings in English II. **2 hrs.**
Continuation of EPP 111. *Meets three hours per week. Prerequisite:* EPP 111.

EPP 121. Intermediate Writing I. **2 hrs.**
Taken concurrently with EPP 111, for students with intermediate-level skill in written English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

EPP 122. Intermediate Writing II. **2 hrs.**
Continuation of EPP 121; taken concurrently with EPP 112. *Meets three hours per week. Prerequisite:* EPP 121.

EPP 127. Intermediate Speaking and Listening I. **2 hrs.**
Taken concurrently with EPP 111, for students with intermediate-level skills in spoken English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

EPP 128. Intermediate Speaking and Listening II. **2 hrs.**
Continuation of EPP 127; taken concurrently with EPP 112. *Meets three hours per week. Prerequisite:* EPP 127.

EPP 131. Advanced Writing I. **2 hrs.**
Taken concurrently with EPP 111, for students with advanced-level skill in written English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

EPP 132. Advanced Writing II. **2 hrs.**
Continuation of EPP 131; taken concurrently with EPP 112. *Meets three hours per week. Prerequisite:* EPP 131.

EPP 137. Advanced Speaking and Listening. **2 hrs.**
Taken concurrently with EPP 111, for students with advanced-level skill in spoken English. In addition to classes, students will have two to three contact hours per week with staff tutors. *Meets three hours per week.*

EPP 141. Writing Practicum. **1 hr.**

EPP 143. Speaking Practicum. **1 hr.**

EPP 145. Language Development. **1 hr.**

Fashion Merchandising

See Human Ecology for description of major and minor programs.

Finance

See Business and Economics for description of major program.

History

H. Coston, Cresswell, Mahoney, R. Rupp

The history curriculum is designed to encourage students to read critically, think creatively, research thoroughly, and write effectively. The department encourages students to explore the American past, the European heritage, and Non-Western cultures. A major in history is an excellent foundation for graduate study in law, theology, the humanities, and social sciences. History graduates have found rewarding careers in journalism, research and writing, archival and museum work, teaching, and government service.

Requirements for Major

30 semester hours in the discipline, including HST 497. A minimum of six hours is required in each of three geographic areas. The United States requirement will be met by HST 102 and 101 or 235. The European requirement will be met by HST 122 and any one of the following: 121, 201, 204, 207, 212, 217. The Non-Western requirement will be met by HST 261 and any one of the following: 264, 270, 273, 276. The remainder of the 30 hours may reflect the student's interests.

History majors are urged to take at least six hours of a foreign language.

Credit for survey courses 101, 102, and 121, 122 may be established by passing the appropriate College Level Examination Program (CLEP) examinations. No more than six hours of exam credit may be applied toward a major.

Requirements for Minor

15 semester hours, including 102, 122 and any course from the Non-Western history courses applicable toward the major. No more than three hours of exam credit may be applied toward a minor.

HST 101. History of the United States I. **3 hrs.**

A survey of the history of the United States from the discovery of America through the Civil War. Emphasis on social, political, and economic developments.

HST 102. History of the United States II. **3 hrs.**

Continuation of HST 101, covering the period from the Reconstruction to the present.

HST 121. History of Western Civilization I. **3 hrs.**

Survey of Western Civilization from prehistory to the close of the religious wars of the Reformation, including Egypt and the ancient Near East, classical Greece and Rome, the early and late Middle Ages, and the Renaissance and Reformation.

HST 122. History of Western Civilization II. **3 hrs.**

Survey of Western Civilization from the close of the sixteenth century to the present day with attention to major social, political, economic, intellectual, and artistic developments that have shaped the Western world in modern times.

HST 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

HST 201. Ancient History. **3 hrs.**

A study and comparison of the classical age of Greece (especially the Age of Pericles) and of Rome (especially the Age of Augustus). Each society is looked at as a whole through its political, economic, social, religious, literary and artistic manifestations.

HST 204. Medieval History. 3 hrs.
A study of the developments in medieval arts and society in Europe with emphasis on the period between the tenth and fifteenth centuries.

HST 207. Renaissance History. 3 hrs.
A study of artistic, political and religious developments in Renaissance Europe with emphasis on Italian Humanism and the Renaissance north of the Alps.

HST 210. Parties and Elections. 3 hrs.
Description under PSC 210.

HST 212. Reformation History. 3 hrs.
A study of the religious, political, and cultural developments in the Reformation with emphasis on sixteenth century Germany and Switzerland, and including developments to 1648.

HST 214. History of Modern Russia. 3 hrs.
The history of Russia from 1796 to the present with emphasis on the decline and fall of the Russia aristocracy, the evolution of reform thought and revolutionary opposition, the revolution of 1917, the Marxist-Leninist dream and its Soviet consequences, the totalitarian state under Stalin, the role of Gorbachev's perestroika and the collapse of the Soviet Union, and the political and economic struggles of the post-Soviet era.

HST 217. History of England to 1700. 3 hrs.
From the Roman conquest to 1700. Emphasis on the development of the common law, common law courts, Parliament and the monarchy against a background of social, cultural, and economic development. *Suggested for prelaw and political science as well as history students.*

HST 220. The American Presidency. 3 hrs.
Description under PSC 220.

HST 228. History of Europe, 1789-1890. 3 hrs.
An examination of European history from the French Revolution and Napoleonic Era to the coming of the Golden Age. The revolutionary tradition and the upheavals of 1848, the impact of modernization and industrial progress, the development of the modern nation-state, and the growing pressures on domestic politics and the international system arising from nationalism and imperialist expansion.

HST 232. History of Europe, 1890 to the Present. 3 hrs.
A look at European society from La Belle Epoque to the present day, including the origins and consequences of the First World War, the political and economic instability of the interwar years, the development and application of totalitarian ideologies, the cataclysm of the Second World War, the Cold War and the division of Europe, the consequences of the democratic revolutions of 1989 and the collapse of the Soviet Union, and the long road to European unity.

HST 235. Topics in Early American History. 3 hrs.
A problems approach to the study of political, social, economic, and cultural aspects of American civilization. The course will be set in the context of American history during the colonial, revolutionary, and early nation periods.

HST 239. West Virginia: the Mining State. 3 hrs.
A study of the coal industry and its economic, social, and political influence on the history of West Virginia; designed for teachers of social science and individuals interested in the affairs of this state and its region.

HST 243. American Minority Groups Since 1865. 3 hrs.
A study of the experiences of racial and ethnic minority groups in America during the hundred years after the Civil War, when America was becoming increasingly urbanized. Among the topics studied are African-American office-holding during the Reconstruction, white conflicts with Indians, the experience of Asian Americans, and Jim Crow segregation and black voting rights in the 1950's and 1960's.

HST 246. American Labor and Radicalism. **3 hrs.**
A study of the forces that influenced the rise of labor, including the history of organized labor, craft unionism and collective bargaining, labor-management relations, and labor law. Attention also to various radical groups and political parties founded by laboring persons, including the anarchists, the I.W.W., and the Socialist Party. Assessment of the efforts of American labor to gain and maintain power in a diverse society.

HST 250. The United States, 1900-1940. **3 hrs.**
A study of political trends from McKinley through the New Deal; economic policies under conservative, progressive and New Deal leadership; and foreign policies such as imperialism, the entry into World War I, peace-making after the war, isolationism, and responses to the events leading to World War II. *Offered in alternate years.*

HST 254. Recent History of the United States. **3 hrs.**
An analysis of American society emphasizing the role of leadership, policy-making, and events of our foreign and domestic involvements since 1940. *Offered in alternate years.*

HST 258. The African-American Experience. **3 hrs.**
Description under SOC 258.

HST 261. Introduction to the Non-Western World. **3 hrs.**
An introduction to selected traditional societies before their contacts with Western Civilization during the nineteenth century. Novels and audio-visuals supplement texts and lectures to provide an understanding of the common person's village life as well as the Great Tradition of these civilizations.

HST 264. History of Africa. **3 hrs.**
A study of sub-Saharan Africa, especially since 1800, including the slave trade and its impact on traditional societies, the European scramble for African territories and African reactions, colonial administrations, economic changes, nationalism and independence movements, problems and trends of African nations since independence.

HST 270. People's Republic of China. **3 hrs.**
A study of issues in Chinese history since 1949, such as the balance between continuity and change, between ideology and practical considerations, and between domestic and foreign policies.

HST 273. Japan Since 1945. **3 hrs.**
A study of Japan as a unique modern society, beginning with its recovery and new national direction after World War II; political, economic and social trends within Japan and its changing international position.

HST 276. History of Latin America. **3 hrs.**
A study of Latin America from the period of discovery to the present. Emphasis on the period since 1800 with special attention to relations between Latin American countries and the United States.

HST 315. Arabs and the Middle East. **3 hrs.**
Historic and sociological perspectives on the Middle East, including dynasties and empires, Islam and its sects, the invasion by Western nations, the growth of Arab nationalism, the collapse of the Ottoman Empire and the carving up of the Levant, the emergence of Zionism and the conflict between Palestinians and the nation of Israel, the role of Britain and the United States in the region, the chaos in Lebanon, and the Iran-Iraq war.

HST 320. History of Modern Germany. **3 hrs.**
A history of Germany since 1815, including the rivalry between Austria and Prussia, the mid century revolutions and Bismarck's wars of unification, Prussian leadership in the German Empire of 1871-1918, the politics and culture of the Weimar Republic, the impact of the two world wars, the social and political nature of the Third Reich, and the division and reunification of the two Germanies.

HST 325. Eastern Europe in the Twentieth Century. 3 hrs.
A survey of major social, political, and intellectual developments in Eastern Europe from the turn of the century to the democratic revolutions of 1989 and beyond. The course covers both individual national histories and broader regional developments, including nationalism, ethnicity, and regional tensions; the two world wars and the new order of the interwar period; the creation of communist societies and the Soviet Bloc; the Prague Spring, Solidarity, and the other "cracks" in the Bloc; the democratic revolutions of 1989; and the post-1989 struggles to achieve political and economic reforms.

HST 330. European Social and Intellectual History Since 1789. 3 hrs.
An examination of European social and intellectual history since the Enlightenment. Topics include the impact of the Enlightenment and the revolutionary era on European society and thought; the effects of industrialization and modernization on social development, social classes, and gender roles; and advances in philosophy, political and social theory, science, and the arts from the late 1700's to the present. *Prerequisite:* HST 122 or permission of instructor.

HST 335. History of Modern France. 3 hrs.
An examination of French history since the Enlightenment with emphasis on the origins of the revolutionary and Napoleonic traditions, the evolution of French society and culture, the role of France in European affairs, the nature and politics of the French republics, and the development of a peculiarly French view of the world in the modern era.

HST 355. Civil War and Reconstruction. 3 hrs.
An analytical study of the social forces, events and personalities involved in the disruption of the Union and its reconstruction (from 1840 to 1876).

HST 360. The Law in American History and Life. 3 hrs.
A survey of American legal history, tracing the influence of the law on everyday life and its impact on social and political history. Includes criminal law and the desire to enforce conformity to government policy, resistance to the laws, the changing role of attorneys in society.

HST 497. Senior Seminar. 3 hrs.
Advanced readings, discussion, and use of primary and secondary materials to write and present orally a major research paper. Consideration will be given to research techniques, manipulation of data, interpretation of the past, and writing styles. *Satisfies advanced composition requirement for general studies. Prerequisite:* History major.

Human Ecology

Halverson, Petitto

The curriculum in human ecology provides preparation for those wishing to enter professional careers and graduate school in areas of human ecology including such diverse fields as dietetics, consumer advocacy and fashion merchandising.

The program in human ecology enables students planning to teach in the middle school or high school to meet requirements for vocational certification in home economics (Consumer and Homemaking Education).

The major in nutrition offers options in dietetics or in general nutrition. Students completing the dietetic program, an American Dietetic Association (ADA) Approved Didactic Program in Dietetics, are eligible to apply for an ADA Accredited Internship or an ADA Approved Preprofessional Practice Program (AP4). Completion of an Accredited Internship, an AP4, or a graduate program in nutrition which includes an AP4 qualifies the graduate to take the examination to become a registered dietitian.

A major in fashion merchandising prepares men and women for careers in the fashion business, including marketing, sales, and promotion. Students study fashion terminology,

fabric, color and design, distribution channels of the ready-to-wear industry, product and price decisions, promotion, target market determination, and consumer behavior.

Requirements for Human Ecology Major

34 semester hours in human ecology including HEC 101, 121, 130, 202, 214, 258, 265, 312, 317, 351, 497. Students interested in professional careers or in entering graduate school should consult the faculty in the department about the selection of additional courses.

Requirements for Human Ecology Minor

15 semester hours in human ecology, including 130, 202, 258, 312.

Requirements for Nutrition Major

Dietetic Emphasis (meets requirements for ADA accredited internship program): HEC 258, 265, 317, 351, 354, 357, 360, 364, 367, 370, 373, 376, 379; CHE 161, 162, 221, 222, 350; BIO 160, 211, 212, 220; BUS 140; EDU 370; PSY 101, 220, 235, 236; SOC 101; CSC 101; PSY 230 or SOC 345.

General Nutrition Emphasis: 33 hours in human ecology including HEC 202 (or PSY 235-236), 258, 265, 312, 317, 351, 354, 367, 370, 497, plus elective hours from 251, 357, 364, 373, Special Topics; BIO 160, 231, 220; CHE 105, 106.

Requirements for Nutrition Minor

15 semester hours in human ecology, including HEC 202 (or PSY 235-236), 265, 367; plus electives from 251, 258, 312, 317, 351, 354, 357, 364, 370, 373, Special Topics.

Requirements for Fashion Merchandising Major

27-29 semester hours in human ecology: HEC 121, 130, 221, 225, 229, 233 (or BUS 101); HEC 321, 336, 345, 395, 2-hour elective in clothing or textiles; plus the following in related disciplines: CSC 101; PSY 101; SOC 101; ART 111, 121, 351; BUS 140, 160, 264.

Requirements for Fashion Merchandising Minor

16 semester hours including HEC 121, 225 and an elective in textiles or clothing; ART 121; and BUS 160, 264.

HEC 101. Personal and Family Living. **3 hrs.**
An exploration into personal and family relationships in our society as they affect today's young adult. Includes study of courtship, husband-wife and parent-child relationships.

HEC 121. Contemporary Issues in Apparel. **2 hrs.**
An examination of the aesthetic, economic, physiological, psychological, and sociological factors involved in apparel selection. Includes the acquisition and use of clothing and consumer responsibilities and protections. *Usually offered spring semester.*

HEC 130. Apparel Manufacturing Processes. **3 hrs.**
An elementary course in basic principles of clothing construction techniques and skills including pattern fitting and alteration. *Offered fall semester.*

HEC 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

HEC 202. Child Care and Development. **3 hrs.**
A study of all aspects of the care and development of the child from conception through age nine with emphasis on the knowledge and guidance of young children in their emotional, social, intellectual and physical development.

HEC 209. Clothing, Equipment and Housing for the Disabled and Elderly. 3 hrs.
Understanding the problems and meeting the needs of persons whose physical conditions necessitate the use of specially designed or adapted clothing, equipment and housing to achieve maximum independence in daily living.

HEC 214. Residential Interiors. 3 hrs.
Study of the choices of the family in its residential setting. Principles of home equipment, evaluation of housing choices, and considerations in buying, building, and renting. Study of selection of home furnishings and design of residential interior space. Aspects of housing will be presented in relation to interests, activities, needs, quality, economy, aesthetics, and individuality.

HEC 221. History of Costume. 3 hrs.
An evaluation of historical costume and its relationship to the life of the people of each time period. Through visual presentations students will be exposed to the costume of various time periods. *Prerequisite:* HEC 121.

HEC 225. Retailing and the Apparel Industry. 3 hrs.
Factors affecting the origin and development of fashion and the production, distribution, and promotion of fashion merchandise. A study of the ready-to-wear market and factors involved in consumer acceptance of fashion. *Prerequisite:* HEC 121 or consent of instructor. *Offered fall semester.*

HEC 229. Visual Merchandising. 3 hrs.
A study of the basic elements and principles of design as they relate to merchandise and its presentation in terms of image, market, customer, concept, locations, and objectives. Practical experience in planning and executing functional displays. *Prerequisites:* ART 121; HEC 121, 225. *Offered spring semester.*

HEC 233. Consumer Economics in Merchandising. 3 hrs.
A study of consumerism to enable students to make appropriate judgments about purchases of goods and services. Emphasis is on consumer protection and behavior and the use of mathematics in making consumer decisions.

HEC 245. New York Fashion Merchandising Tour. 3 hrs.
A travel course to broaden the scope of experience and understanding in the areas of fashion, apparel industry, business, and the arts. Visits to major business institutions, manufacturing firms, showrooms, merchandise shows, retail establishments and museums with opportunities to attend the theatre, ballet, etc. *Offered in alternate years.*

HEC 251. Cultural Aspects of Foods. 2 hrs.
An historical approach to the importance of foods in today's world. A consideration of food availability, preparation, and the social, cultural and economic implications and nutritive adequacy. *Offered in alternate years.*

HEC 258. Food Science. 4 hrs.
A study of the structure of basic ingredients and the various effects they have on one another when blended together to form products. *Offered fall semester, even years.*

HEC 265. Fundamentals of Human Nutrition. 3 hrs.
An introductory study of the individual nutrients in respect to digestion, absorption, metabolism, body needs and food sources. This information is applied through study of the life cycle. *Offered fall semester.*

HEC 312. Lifestyle Management. 3 hrs.
A study of the management process and decisions involving the use of family resources to achieve personal and family goals. *Offered fall semester, odd years.*

HEC 317. Communications in Human Ecology. **2 hrs.**
Study, development, demonstration and evaluation of effective methods of communicating general and specialized information to the professional and the general public. *Offered spring semester, even years.*

HEC 321. Fashion Innovation and Analysis. **2 hrs.**
An integrative study of the fashion variables utilized in fashion analysis and forecasting. *Prerequisites:* HEC 121, 225. *Offered alternate spring semesters.*

HEC 328. Tailoring. **3 hrs.**
Principles of detailed and tailored finishes and problems of fitting and time management in the construction of a suit or coat. *Prerequisite:* HEC 130 or permission of instructor. *Offered as required.*

HEC 336. Textiles. **3 hrs.**
A study of fibers, yarns, weaves, fabrics, finishes, and testing procedures. Includes end-uses of fibers and fabrics, their characteristics, how to choose wisely, what to expect and how to care for specific fabrics. *Offered spring semester.*

HEC 345. Pre-Internship Seminar. **1 hr.**
An exploration of fashion merchandising practices through an extensive review of fashion internship possibilities. Students will identify and secure individual internship placements and develop professional skills in such areas as interpersonal relations, presentations, and writing specific to their individual experience. *Prerequisites:* Junior or senior standing and consent of department.

HEC 351. Meal Management. **2 hrs.**
Management of the selection of food, and the planning, preparation, and serving of family and guest meals, with attention to cultural influences and to resources such as time, money, energy and equipment. *Offered spring semester, even years.*

HEC 354. Community Nutrition. **2 hrs.**
An integration of knowledge from the natural, social, and behavioral sciences with application to the nutrition-related problems in the community. *Offered spring semester, even years.*

HEC 357. Institutional Organization and Management. **3 hrs.**
A study of personnel administration, financial management, equipment, and efficient operation of food service in institutions. *Offered fall semester, even years.*

HEC 360. Independent Study: Institutional Foodservice Equipment. **1 hr.**
Research related to equipment used in commercial and institutional foodservice to become familiar with the functions, care, and mechanical specifications of the various types. The relationship of equipment placement to food production and service and how these factors influence the layout of a quantity foodservice unit. *Prerequisite:* HEC 357 or permission of instructor.

HEC 364. Quantity Food Production. **3 hrs.**
Problems in purchasing and preparing food for large groups. Practical experience in planning, preparing and serving. *Offered spring semester, odd years.*

HEC 367. Advanced Human Nutrition. **3 hrs.**
A study of human nutrition, including the chemistry of food nutrients, digestion, absorption, and metabolism. Principles of human nutrition applied to individual, family, community, and world problems. *Prerequisites:* HEC 265; BIO 211, 212; and CHE 350 or consent of instructor. *Offered spring semester.*

HEC 370. Diet Therapy. **3 hrs.**
Study of diet in pathological conditions, stressing its importance in diseases that can be prevented and/or treated by proper diet. *Prerequisite:* HEC 367 or consent of instructor. *Offered fall semester, odd years.*

HEC 373. Experimental Foods. 2 hrs.
Experimentation with selected food ingredients, techniques, and equipment. Opportunity for directed study in an individually chosen area. *Prerequisite:* HEC 258. *Offered fall semester, odd years.*

HEC 376. Professionalism in Dietetics. 1 hr.
Exploration of the Code of Ethics, Standards of Practice, and Standards of Professional Responsibility that have been developed as guides to assist dietitians in performing in a professional manner. Review of current issues. *Prerequisite:* Dietetics major or permission of instructor. *Offered spring semester, odd years.*

HEC 379. Field Experience in Dietetics. 3 hrs.
Participation in a professional work environment where nutrition information is being delivered to a specific population and/or where food is being prepared for a specific population. *Prerequisite:* Junior or senior major in nutrition with dietetic emphasis.

HEC 395. Fashion Merchandising Internship. 2-4 hrs.
Practical application and participation in a variety of fashion sales and buying functions involved in the retail merchandising of clothing and/or accessories. The student must secure a retail placement and field supervisor for this experience. *Prerequisites:* HEC 121, 225, 229; junior or senior standing and consent of instructor.

HEC 497. Seminar in Human Ecology and General Nutrition. 3 hrs.
A research project using knowledge and experience obtained from courses in human ecology and related disciplines. *Satisfies advanced composition requirement for general studies. Prerequisite:* Major in human ecology or nutrition with a general emphasis.

International Studies

The interdisciplinary international studies major provides a broad liberal arts foundation, a basic knowledge of foreign cultures, and an opportunity to concentrate in studies of one or more geographic regions. This major prepares students for graduate study, a position in a multi-national corporation, international social service such as the Peace Corps or church-related mission work, or work with an international foundation or volunteer agency.

Travel and study abroad programs are encouraged. Credit for such programs may be applied toward the major if approved in advance. International studies majors are encouraged to participate in the International Student Organization while on campus.

Requirements for Major

Core Requirements (18 semester hours): ECO 110, 120; DIV 141 or SOC 335; PSC 120, 231, 232.

Sociology Electives (9 semester hours): SOC 110, 115, 220, 225, 235, 305, 355.

Foreign Language: 6 hours minimum in one language; additional hours highly recommended.

Regional Concentration (18 hours from one option, including 9 hours in history and 9 hours in other areas):

OPTION A. **Asia:** HST 261, 270, 273; PSC 325; REL 240, 245.

OPTION B. **Europe:** HST 201, 204, 207, 212, 214, 228, 232, 320, 325, 330, 335; ART 241, 242, 306; ENG 235, 237, 250, 350, 351, 353, 357, 359; PHL 211, 270; PSC 310, 320.

OPTION C. **General:** Courses listed for Asia and Europe, as well as courses dealing with other geographic regions worldwide such as Africa, Latin America, Middle East. At least three courses must be from a single country or region. Selection must be made in consultation with the international studies advisor.

Senior Research Paper.

Management

See Business and Economics for description of major program.

Marketing

See Business and Economics for description of major program.

Mass Communication

See Communication and Dramatic Arts for description of minor program.

Mathematics

M. Berry, Burns, McBride

The mathematics program at Wesleyan is designed to prepare students for employment as applied mathematicians in industry, for entrance into graduate school, for certification as secondary or elementary teachers of mathematics, or for a variety of careers in other disciplines which require that blend of intuition, formalism, and logic which characterizes the mathematical process.

Requirements for Major

36 semester hours MTH 161, 162, 223, 240, 250, 310, 320, 330, 341, 342, 440, and 450.

Requirements for Minor

20 semester hours, including MTH 161, 162, and 223. The remaining hours must be selected from courses numbered above 223.

For programs leading to teacher certification in mathematics at the middle childhood and adolescent levels, see Education.

DEV 060. Developmental College Mathematics. **3 hrs.**

Description in developmental course section.

DEV 062. Developmental Algebra. **3 hrs.**

Description in developmental course section.

MTH 110. College Algebra. **3 hrs.**

Quadratic equations and inequalities in one and two variables. An introduction to the complex number system. Systems of equations and inequalities, functions and graphing. Emphasis throughout on applications and problem-solving techniques. *Prerequisite:* A year and a half of high school algebra and official placement or MTH 062. *Usually offered every semester.*

MTH 120. Trigonometry. **3 hrs.**

The trigonometric functions and their graphs; identities and conditional equations. Solutions of triangles; the Law of Sines, the Law of Cosines. Inverse trigonometric functions. Radians and vectors. Emphasis throughout on applications and problem-solving techniques. Technology will be introduced. *Prerequisite:* Two years of high school algebra and official placement or MTH 110, which may be taken concurrently. *Usually offered every spring semester.*

MTH 130. PreCalculus. **3 hrs.**

An in-depth treatment of matrices and determinants, their properties and applications. Functions and their inverses; exponential, logarithmic functions and equations. The straight line and conics. Sequences and series. The Binomial Theorem. The Factor, Remainder and Rational Root Theorems. Applications, problem-solving techniques and the use of technology, including both computers and graphing calculators, will be stressed throughout. A graphing calculator will be required. *Prerequisites:* MTH 110 and 120, or official placement. *Usually offered every spring semester.*

MTH 140. Geometry. **3 hrs.**

Basic elements of plane Euclidean geometry, with an emphasis on visualization and manipulation. Congruent and similar triangles; properties of circles and polygons; tessellations; constructions. Formal and informal proofs. Technology in a laboratory setting. Group work. *Prerequisite:* Two years of high school algebra, or MTH 110 or equivalent. *Usually offered every spring semester.*

MTH 150. Problem Solving. **3 hrs.**

The use of different problem-solving strategies, techniques, and tools. Types of problems to be considered include algebraic, logic, networks, and number theory. Emphasis on organization, group work and writing throughout. Some use of technology. *Prerequisite:* two years of high school algebra, or MTH 110 or equivalent. *Usually offered every fall.*

MTH 161. Calculus I. **4 hrs.**

Introductory calculus with a laboratory component. Differentiation and applications of the derivative; transcendental functions; differential equations, numerical approximations, mathematical modeling. Emphasis throughout on projects, group work and written reports. *Prerequisite:* MTH 130 or equivalent, or official placement. *Usually offered every fall semester.*

MTH 162. Calculus II. **4 hrs.**

Introductory calculus with a laboratory component. Integration, integration techniques and applications of the integral; the Fundamental Theorem of Calculus. Improper integrals. Polynomial approximations. L'Hopital's rules. Additional work with differential equations, numerical methods and mathematical modeling. Emphasis throughout on projects, group work and written reports. *Prerequisite:* MTH 161 or equivalent. *Usually offered every spring semester.*

MTH 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

MTH 201. Mathematics for Elementary Education I. **3 hrs.**

A course emphasizing problem solving, problem-solving techniques, and estimation. Sets, set operations, and problem solving using sets. Systems of numeration; the four fundamental operations on the natural, rational, and real numbers. An introduction to number theory. Algebra, technology, and manipulatives as problem-solving tools. *Prerequisites:* Elementary education major; EDU 101 and official placement. *Usually offered every fall semester.*

MTH 202. Mathematics for Elementary Education II. **3 hrs.**

Decimals, ratios and percents: estimations. Counting techniques, elementary probability and statistics. Euclidean geometry, proofs, constructions and computations. Emphasis throughout on problem solving and problem-solving techniques. *Prerequisite:* MTH 201 or equivalent. *Usually offered every spring semester.*

MTH 223. Calculus III. **3 hrs.**
Intermediate calculus with a computer laboratory component. Curves and surfaces in space. Partial differentiation, multiple integration, two-dimensional vector algebra and calculus. Infinite series and power series. Emphasis throughout on projects, group work and written reports. *Prerequisite:* MTH 162 or equivalent. *Usually offered every fall semester.*

MTH 230. Differential Equations. **3 hrs.**
First and second ordinary differential equations; analytic methods, including Laplace Transforms and Fourier Series; numerical methods. Series solutions. An introduction to partial differential equations. There will be a computer laboratory component and written reports. *Prerequisite:* MTH 223. *Usually offered every spring semester.*

MTH 240. Discrete Mathematics. **3 hrs.**
An introduction to discrete mathematics. Graph Theory, simple and directed graphs. Trees, Eulerian tours, Hamilton cycles, coloribility, partial orderings, lattices, Boolean algebra. Elementary number theory including divisibility, modulo arithmetic and the Fundamental Theorem of Arithmetic. *Prerequisite:* MTH 162, which may be taken concurrently. *Usually offered every spring semester.*

MTH 250. Basic Concepts of Mathematics. **3 hrs.**
Introduction to formal mathematics, including proofs, formulating and proving conjectures, mathematical notation. Sets and set operations; relations and functions. Axiomatic construction of the real number system. Group work and the communication of mathematics, both written and oral, will be emphasized. *Mathematics majors must complete this course by the end of their sophomore year. Pre- or corequisite:* MTH 162. *Usually offered every spring semester.*

MTH 301. Advanced Engineering Mathematics. **3 hrs.**
Three-dimensional vector calculus; Stoke's and divergence theorems. Linear algebra; eigenvalues and unitary transformations. Complex analysis; residue integration and conformal mappings. Numerical methods emphasized in all areas. There will be projects and written reports. *Prerequisite:* MTH 230. *Usually offered every fall semester.*

MTH 310. Linear Algebra. **3 hrs.**
Vectors and vector spaces; inner product spaces. Coordinate systems; bases; linear independence, orthogonality. Matrices; linear transformations; eigenvalues and eigenvectors. Technology will be used. *Prerequisite:* MTH 223. *Usually offered fall semester, even years.*

MTH 320. Algebraic Structures. **3 hrs.**
Groups, rings, fields and algebras. Homomorphisms, structure theorems. Quotient groups and rings. Emphasis on models throughout. *Prerequisites:* MTH 240 and 250. *Usually offered fall semester, odd years.*

MTH 330. Probability and Statistics. **3 hrs.**
Elementary probabilities. Event spaces, discrete and continuous distributions, conditional probabilities. Elementary statistics. Random variables, limiting theorems; hypothesis testing. Technology will be used. *Prerequisite:* MTH 223. *Usually offered spring semester, even years.*

MTH 341. Real Analysis I. **3 hrs.**
Sequences and their limits; continuity and consequences; uniform continuity. An introduction to real line topology, including the Bolzano-Weierstrass and Heine-Borel theorems. Emphasis on group work and oral presentations. Some use of technology. *Prerequisite:* MTH 250. *Usually offered fall semester, even years.*

MTH 342. Real Analysis II. **3 hrs.**
Differentiation and the mean value theorems; the Riemann integral and the mean value theorems. The Fundamental Theorem of Calculus. Series, power series and uniform convergence. There will be projects, oral presentations, and use of technology. *Prerequisite:* MTH 341. *Usually offered spring semester, odd years.*

MTH 440. Research. **3 hrs.**
Directed research in a nontrivial problem in mathematics that builds on and extends the background of the student. Emphasis on the literature of the discipline. Short oral presentations and a paper written on the problem selected. *In combination with MTH 450, satisfies advanced composition requirement for general studies. Prerequisite:* Mathematics major. *Usually offered every fall semester.*

MTH 450. Seminar. **1 hr.**
Oral presentation to mathematics students and faculty of the research paper prepared in MTH 440 during the previous semester. *In combination with MTH 440, satisfies advanced composition requirement for general studies. Prerequisite:* MTH 440. *Usually offered every spring semester.*

Modern and Classical Languages

Figueroa, J. Holmes, Trusler, K. Welliver

Courses in this department are designed to develop basic language and cultural proficiencies.

Requirement for Minor

A minor in French, German or Spanish is available to students who elect to take six hours above the intermediate level. These hours may be taken at Wesleyan through regular course work (Spanish) or learning contracts, at another U.S. institution, or through recognized study abroad.

French

FCH 101. Introductory French I. **3 hrs.**
A course designed to give the student basic proficiency in language skills and cultural awareness. *Meets four hours per week.*

FCH 102. Introductory French II. **3 hrs.**
Continuation of FCH 101. *Meets four hours per week. Prerequisite:* FCH 101.

FCH 201. Intermediate French I. **3 hrs.**
A course designed to continue development of language and cultural proficiencies. *Prerequisite:* FCH 102 or equivalent.

FCH 202. Intermediate French II. **3 hrs.**
Continuation of FCH 201. *Prerequisite:* FCH 201.

German

GER 101. Introductory German I. **3 hrs.**
A course designed to give the student basic proficiency in language skills and cultural awareness. *Meets four hours per week.*

GER 102. Introductory German II. **3 hrs.**
Continuation of GER 101. *Meets four hours per week. Prerequisite:* GER 101.

GER 201. Intermediate German I. **3 hrs.**
A course designed to continue development of language and cultural proficiencies. *Prerequisite:* GER 102 or equivalent.

GER 202. Intermediate German II. **3 hrs.**
Continuation of GER 201. *Prerequisite:* GER 201.

Greek

GRK 201. New Testament Greek I. **3 hrs.**
Elementary Hellenistic Greek grammar oriented toward the reading of the Greek New Testament. *Offered in alternate years.*

GRK 202. New Testament Greek II. **3 hrs.**
Continuation of GRK 201. *Prerequisite:* GRK 201. *Offered in alternate years.*

GRK 301. Readings in Hellenistic Greek I. **1-3 hrs.**
Additional experience in translation and in using resources for philological study of the New Testament and related Hellenistic Greek works. *Prerequisites:* GRK 201 and 202. *Offered in alternate years.*

GRK 302. Readings in Hellenistic Greek II. **1-3 hrs.**
Continuation of GRK 301. *Prerequisite:* GRK 301. *Offered in alternate years.*

Spanish

SPA 101. Introductory Spanish I. **3 hrs.**
A course designed to give the student basic proficiency in language skills and cultural awareness. *Meets four hours per week.*

SPA 102. Introductory Spanish II. **3 hrs.**
Continuation of SPA 101. *Meets four hours per week. Prerequisite:* SPA 101.

SPA 201. Intermediate Spanish I. **3 hrs.**
A course designed to continue development of language and cultural proficiencies. *Prerequisite:* SPA 102 or equivalent.

SPA 202. Intermediate Spanish II. **3 hrs.**
Continuation of SPA 201. *Prerequisite:* SPA 201.

SPA 301. Advanced Spanish I. **3 hrs.**
A course designed to continue the development of language proficiency and cultural awareness. Emphasis on spontaneous expression based on representative print and nonprint media from Hispanic cultures. *Prerequisite:* SPA 202 or instructor's permission.

SPA 302. Advanced Spanish II. **3 hrs.**
Continuation of SPA 301. *Prerequisite:* SPA 301.

Music

Dees, Hamilton, Meadows, Milburn, Parsons, Sabak, Vaughan

The music curriculum is designed to develop an understanding and appreciation of music, and to help students become accomplished musicians. The Bachelor of Music Education degree serves those who are preparing for the teaching profession, and the Bachelor of Arts degree accommodates those wishing a liberal arts degree or wishing to emphasize a particular aspect of music such as performance or theory in their study. Various options for a contract major combining music with other disciplines, such as business or Christian education, are possible. All curricula offered provide a strong foundation for graduate study.

Students wishing to major in music are admitted to the program provisionally according to a placement audition in applied music at the end of the first semester of study. At the end of the fourth semester an evaluation of the progress made in both musical and academic studies will be made by the music faculty and, after a private conference with the student, a decision regarding continuation in the program will be made.

The music program is accredited by the National Association of Schools of Music and endorses the statement on Basic Musicianship adopted by this national accrediting organization. The program seeks to develop basic musicianship in the following areas: (1) A conceptual understanding of such musical properties as sound, rhythm, melody, harmony, texture and form; and opportunities for developing a grasp of their interrelationships as they form the cognitive-affective basis for listening, composing and performing; (2) Repeated opportunities for enacting in a variety of ways the roles of listener (analysis), performer (interpretation), composer (creation), and scholar (research); (3) A repertory for study that embraces many cultures and historical periods.

Requirements for the Bachelor of Music Education Degree

54-57 semester hours of music courses, including 101, 102, 110 (voice majors only), 201, 202, 221 and 222 (for non-voice majors), 231, 232, 241, 242, 251, 252, 260, 270, 301, 309, 310, 321, 322, 340, and 345. All candidates for this degree are required to attain a minimum of level 8 in their chosen field of applied music, which is normally achieved by a maximum of 14 semester hours of study, and to present an assisted recital in their major performing area in their junior or senior year (with or without one hour credit). All non-keyboard majors are required to attain a level 2 in piano, which is normally achieved by a maximum of four semester hours of study. All candidates for this degree are expected to participate in at least one ensemble each semester, with or without credit, and to establish a minimum of four semester hours credit in ensemble. No more than four ensemble credits may apply toward the 128-hour minimum required for graduation.

This curriculum includes 28 semester hours of professional education, including EDU 101, 120, 201, 230, 320, 460, 461, 462, 472 and 474. This curriculum also includes courses currently required by the West Virginia Department of Education for *all* teacher certificates, and/or by West Virginia Wesleyan College for *all* degrees.

Requirements for Music Major, Bachelor of Arts Degree

51 semester hours, including 101, 102, 110 (voice majors only), 201, 202, 301, 321 and 322, attainment of level 6 in one area of applied music, four hours of ensemble and music electives to complete 51 hours. Students wishing to complete an *applied music emphasis* must attain a level 10 in one area of performance and give a full recital (with or without one hour credit). Students wishing to complete a *theory emphasis* must attain a level 6 in piano and complete a special project in musical research, analysis or composition during their senior year, the results of which will be shared publicly through a recital, lecture or lecture-recital. All candidates for this degree are expected to participate in at least one ensemble each semester, with or without credit. No more than four ensemble credits may apply toward the 128-hour minimum required for graduation.

Requirements for Minor

15 semester hours, including MUS 101, 215, sufficient study in chosen field of applied music to attain level 4, two semester hours of ensemble and two semester hours of electives in music.

MUS 101. Basic Musicianship I. **4 hrs.**

Review of mechanics and music fundamentals. An integrated study of basic musical units through development of individual skills in music listening, performance, composition, analysis and criticism, incorporating the principles of comprehensive musicianship. *Meets four hours per week.*

MUS 102. Basic Musicianship II. **4 hrs.**
Continuation of MUS 101. *Meets four hours per week. Prerequisite:* MUS 101.

MUS 110. Diction. **2 hrs.**
An introduction to French, German, and Italian diction emphasizing the use of the International Phonetic Alphabet. *Required in freshman year of all voice majors.*

MUS 120. Jazz Improvisation. **2 hrs.**
A course which combines instruction in jazz theory and repertoire to develop the skills necessary to improvise in the various styles of jazz music, including swing, Dixieland, bebop, Latin, rock, and blues. *Prerequisite:* Permission of instructor based on assessment of musical experience. *May be repeated once for credit.*

MUS 149, 249, 349. Ensemble. **Each 1 hr.**
Study and performance of works for choral or instrumental groups, including Concert Chorale, Women's Glee Club, Concentus Vocum, various instrumental ensembles, Jazz Ensemble and Concert Band.

MUS 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

MUS 201. Advanced Musicianship I. **5 hrs.**
Continuation of MUS 102. *Meets five hours per week. Prerequisite:* MUS 102.

MUS 202. Advanced Musicianship II. **5 hrs.**
Continuation of MUS 201. *Meets five hours per week. Prerequisite:* MUS 201.

MUS 210. Introduction to Non-Western Music. **3 hrs.**
A brief survey of important world music systems and their effect on music in the Western world.

MUS 215. Music Appreciation **3 hrs.**
A course designed to assist students not majoring in music to develop an understanding and appreciation of concert music through directed group listening.

MUS 217. Introduction to Music Education for the Classroom Teacher. **2 hrs.**
A study of music fundamentals, including rhythm, melody, harmony, timbre and form. Also included are mechanics of notation, sight singing, work with melody and rhythm instruments and simple chordal accompaniments at the keyboard or with guitar.

MUS 218. Music Methods and Materials for the Classroom Teacher. **2 hrs.**
Continuation of first semester work in music fundamentals as needed. Exploration of various music series books and other resources. Cultivation of an awareness of the contribution of music to society and the development of desirable objectives for the music program in each grade level. *Prerequisite:* Music 217 or permission of instructor.

MUS 221. Fundamentals of Voice I. **1 hr.**
Class instruction in the development and basic techniques of the singing voice. Designed for non-voice majors in music education. *Two periods weekly.*

MUS 222. Fundamentals of Voice II. **1 hr.**
Continuation of MUS 221. *Two periods weekly. Prerequisite:* MUS 221.

MUS 231. Woodwind Instruments I. **1 hr.**
Class instruction in the fundamentals of the various woodwind instruments. Limited to music majors and minors. *Two periods weekly.*

MUS 232. Woodwind Instruments II. **1 hr.**
Continuation of MUS 231. *Two periods weekly. Prerequisite:* MUS 231.

MUS 241. Brass Instruments I. 1 hr.
Class instruction in the fundamentals of the various brass instruments. Limited to music majors and minors. *Two periods weekly.*

MUS 242. Brass Instruments II. 1 hr.
Continuation of MUS 241. *Two periods weekly. Prerequisite:* MUS 241.

MUS 251. Stringed Instruments I. 1 hr.
Class instruction in the various orchestral instruments of the string family. Limited to music majors and minors. *Two periods weekly.*

MUS 252. Stringed Instruments II. 1 hr.
Continuation of MUS 251. *Two periods weekly. Prerequisite:* MUS 251.

MUS 260. Percussion. 1 hr.
Class instruction in the various instruments of the percussion family. Limited to music majors and minors. *Two periods weekly.*

MUS 270. Orchestration. 2 hrs.
Study of range, use, and characteristics of orchestral and band instruments. Scoring for various instrumental combinations. The student is required to make at least one symphonic arrangement from a piano score. *Prerequisite:* MUS 201.

MUS 301. Advanced Musicianship III. 4 hrs.
Continuation of MUS 202. *Meets four hours per week. Prerequisite:* MUS 202.

MUS 309. Early and Middle Childhood Methods for the Music Specialist. 4 hrs.
The study of various philosophies of music education and their application in the use of singing, listening, rhythmic and creative activities to achieve the objectives of early and middle childhood musical growth. Laboratory. *Prerequisites:* Admittance to the teacher education program and approval of music faculty.

MUS 310. Adolescent Methods for the Music Specialist. 3 hrs.
The study of adolescent music education, including instrumental and vocal programs on the adolescent level, including concert and marching band, orchestra, high school choir, madrigal group, as well as elective music courses. *Prerequisites:* Admittance to the teacher education program and approval of music faculty.

MUS 321. History of Music I. 3 hrs.
Study of the development and social background of musical composition and performance to 1750. *Prerequisite:* MUS 202 or consent of instructor.

MUS 322. History of Music II. 3 hrs.
Continuation of MUS 321, covering the period since 1750. *Prerequisite:* MUS 321.

MUS 340. Instrumental Conducting. 2 hrs.
Techniques of organizing and conducting band and orchestra; principles of interpretation, score reading; practice conducting. *Prerequisite:* MUS 202 or permission of instructor.

MUS 345. Choral Conducting. 2 hrs.
Techniques of choral conducting; factors involved in choral interpretation, selection of materials, organization and administration of choral work. Practice in conducting. *Prerequisite:* MUS 202 or permission of instructor.

Applied Music

Applied music study is based on a system of proficiency levels. Level descriptions are available in each area of applied music.

The minimum level requirements for graduation are Bachelor of Music Education: Level 8; Bachelor of Arts: Level 6 (except for students wishing to complete an emphasis in applied music, who must attain Level 10).

The minimum level requirement for a music minor is Level 4 in chosen area.

Although applied music requirements are stated in terms of specific proficiency levels, the schedule of normal advancement toward the desired goal may be measured in terms of semester hours of study.

To earn three semester hours of credit in applied music, a student must have attained at least a Level 5.

Music majors normally earn credit in their chosen field of applied music at the rate of at least two semester hours each semester until their required achievement level is attained.

Students are accepted for applied study as faculty loads permit in the following order of priority: music majors, music minors, non-majors currently participating in a departmental ensemble, others.

MUS 151, 251, 351. Baritone Horn, Tuba. 1-3 hrs.

MUS 152, 252, 352. Bassoon. 1-3 hrs.

MUS 153, 253, 353. Cello, String Bass. 1-3 hrs.

MUS 154, 254, 354. Clarinet. 1-3 hrs.

MUS 155, 255, 355. Cornet-Trumpet. 1-3 hrs.

MUS 156, 256, 356. Flute, Piccolo. 1-3 hrs.

MUS 157, 257, 357. French Horn. 1-3 hrs.

MUS 158, 258, 358. Guitar. 1-3 hrs.

MUS 159, 259, 359. Oboe, English Horn. 1-3 hrs.

MUS 160, 260, 360. Organ. 1-3 hrs.

MUS 161, 261, 361. Percussion. 1-3 hrs.

MUS 162, 262, 362. Piano. 1-3 hrs.

MUS 163. Piano Class. 1 hr.

MUS 164, 264, 364. Saxophone. 1-3 hrs.

MUS 165, 265, 365. Trombone. 1-3 hrs.

MUS 166, 266, 366. Violin, Viola. 1-3 hrs.

MUS 167, 267, 367. Voice. 1-3 hrs.

MUS 376, 476. Half Recital. 1 hr.
Prerequisite: Proficiency Level 8.

MUS 378, 478. Full Recital. 1 hr.
Prerequisite: Proficiency Level 10.

Nursing

Alfred, D. Bailey, Campbell, Frye, J. McKinney, Stout

The goal of the nursing faculty is to prepare graduates to enter the profession of nursing as competent practitioners thoroughly familiar with the nursing process who also possess a sound foundation for graduate study in nursing.

Wesleyan's program is accredited by the Council of Baccalaureate and Higher Degree Programs of the National League for Nursing and by the West Virginia Board of Examiners for Registered Nurses.

Admission

Freshmen are admitted to the College as nursing majors. Admission to the sophomore clinical component is based on academic ability determined by a grade point average of 2.5 or higher. Students with a GPA of 2.25 to 2.49 may petition the nursing faculty in writing for consideration on a space available basis. Qualifications for all students will be evaluated by a committee of the nursing faculty.

Nursing courses are sequential and are offered one time per year. Therefore, any student who wishes to apply for admission to the nursing program must do so by the end of the semester preceding the semester in which enrollment in a nursing course is planned. Applications are available in the chairperson's office.

Nursing majors receive a *Nursing Student Handbook* which outlines department policies, including those pertaining to admission, progression, retention and suitability. The faculty reserves the right to exclude or remove from clinical practice any student who has demonstrated attitudes or behaviors incompatible with safe nursing practice.

Before candidates can be considered for licensure as a registered nurse in the United States, they must report any conviction for a felony to the licensing board. Students are advised to report such conviction to the nursing program and to the Board of Examiners for Registered Nurses upon entry into the nursing program.

Admission with Advanced Standing

Applications for admission with advanced placement in nursing will be assessed by a committee of the nursing faculty, whose recommendations will guide the Admission and Registrar's offices. Neither the Admission Office nor the nursing faculty can estimate the time required for completion of the Wesleyan program until a transcript of previous work and descriptions of the courses taken are submitted and evaluated.

Program

The basic program is structured for completion in four academic years. Students carry a challenging academic load during the freshman and sophomore years and need to plan their schedules in close consultation with advisors. The development of cognitive skills is the hallmark of a baccalaureate program; hence emphasis must be placed on developing a solid knowledge base and the ability to use it.

Students are required to earn at least a grade of C in each nursing course before proceeding in the program. A course with an unsatisfactory grade may be repeated only once.

Students anticipating graduate study in nursing are advised to complete a statistics course, selected in consultation with a nursing advisor, as part of their undergraduate study.

Registered Nurse Plan

The nursing program offers graduates of diploma and associate degree programs the opportunity to complete requirements for the baccalaureate degree in nursing. Acceptance and placement within the nursing program depend upon the individual's academic record and successful completion of the National League for Nursing Mobility Profile II. The registered nurse student is awarded 27 nursing credit hours upon completion of the NLN Mobility Profile II. A license to practice nursing in the U.S. is required.

Students who are licensed nurses are required to meet the general studies curriculum and graduation requirements as outlined in the college catalog. They are required to complete NUR 420, 430, 440, 450, and 460 in residence. All RN nursing courses are offered in Wesleyan's Outreach Education program, all courses in which are considered resident credits.

School Nurse Certification

The nursing program is approved by the West Virginia State Board of Education to offer a school nurse certification program. Practicing nurses and students who complete the nursing program at Wesleyan must meet the following criteria to become eligible for school nurse certification from the West Virginia State Board of Education:

1 Bachelor's degree from a National League for Nursing accredited nursing program,

2 Successful completion of Education 430, Public Education and School Nursing,

3 School nurse practicum and/or supervised work experience as a school nurse,

4 Successful completion of the Pre-Professional Skills Test (PPST),

5 Documentation of computer literacy skills, and

6 Current license to practice as a Registered Professional Nurse in West Virginia.

Resources

Middleton Hall is modern, well equipped and provides faculty offices, class and seminar rooms, and skills and audio-visual/computer laboratories for nursing students. Clinical laboratory experience is provided in a variety of settings, including small community hospitals, nursing homes, and large sophisticated acute care institutions. Responding to current trends in health care, nursing in health promotion and maintenance is emphasized and a wide variety of community health agencies are used. The health care institutions and agencies in Buckhannon, Clarksburg, and surrounding areas provide a broad spectrum of clinical learning experiences.

Requirements for Bachelor of Science in Nursing Degree

53 semester hours in nursing, including courses 101, 110, 220, 225, 230, 320, 330, 340, 350, 420, 430, 440, 450, and 460; 25-27 hours of support courses to be completed prior to entering junior-level nursing courses, including CHE 105, 106; HEC 265; either BIO 211, 212 or PED 219, 220; BIO 220; PSY 235, 236.

This curriculum includes courses currently required by West Virginia Wesleyan College for *all* degrees.

NUR 101. Introduction to Professional Nursing. **1 hr.**

An introduction to the philosophy of professional nursing and the Wesleyan curriculum. The nursing process, the scientific method of inquiry, and the multiplicity of roles in nursing are presented. Focus is on the relationship between humankind, environment, health, and nursing. *Prerequisite:* Nursing major or permission of instructor.

NUR 110. Foundations of Professional Nursing. **1 hr.**

An introduction to the historical development and social forces that have brought nursing to its current status. Emphasis is on the knowledge base needed for application in any nursing practice setting. Focus is on the application of the concepts of humankind, environment, health, and nursing in nursing practice. *Prerequisite:* NUR 101 or permission of instructor.

NUR 220. Language and Principles of Nursing. **5 hrs.**

Theory, 3 hrs.; Clinical Experience, 2 hrs.

Development of novice skills in the art and science of nursing and an understanding of the concepts, sub-concepts, and theoretical foundations of the Wesleyan nursing curriculum. The student learns psychomotor skills in identifying health needs of individuals who are primarily well and for whom life events present minimal threats. *Prerequisites:* NUR 101, 110.

NUR 225. Pharmacology and Drug Therapy. **3 hrs.**
General principles of pharmacology and drug therapy, with emphasis on major drug classifications. Principles of drug action, adverse effects of drugs, and ethical issues relating to drug therapy will be discussed. *Prerequisites:* NUR 101, 110, and 220.

NUR 230. Family Nursing. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
Health maintenance and promotion of childbearing families in clinical settings. Emphasis is on increasing understanding of concepts, sub-concepts, and theoretical foundations of the Wesleyan nursing curriculum. *Prerequisites:* NUR 220, 225.

NUR 320. Mental Health Nursing. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The use of therapeutic communication skills with clients experiencing psychological problems and disorders. Nursing care of clients with acute and chronic psychological problems across the life span. Concepts include stress adaptation, nursing process, health continuum, client system, and environmental processes. *Prerequisites:* All 200-level nursing courses and all support courses.

NUR 330. Nursing Care: Common Health Problems. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The health care of adults in the hospital and other clinical settings, with emphasis on using the nursing process for clients with common health problems. Concepts include stress adaptation, nursing process, role development, health continuum, client system, and environmental processes. *Prerequisites:* All 200-level nursing courses and all support courses.

NUR 340. Nursing Care: Multiple Health Problems. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The health care of adults with multiple health problems, emphasizing the use of the nursing process; provision of safe, appropriate care related to environmental forces; and professional responsibility and accountability. Clinical activities in a variety of acute care settings provide opportunities for independent judgment and decision making in the care of individuals and families to promote restoration and maintenance of health. Concepts include stress adaptation, health continuum, nursing process, environmental issues, role development, and client system. *Prerequisites:* All 200-level nursing courses and all support courses.

NUR 350. Nursing Care of Children. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The health care of children in the hospital and in other community settings. Functions related to the multiple roles assumed in helping the child/family with various problems. Concepts include nursing process, health continuum, client system, and nursing roles. *Prerequisites:* All 200-level nursing courses and all support courses.

NUR 360. Transition to Baccalaureate Nursing: Concepts. **2 hrs.**
A course designed to enrich the nurse's prior learning and facilitate role transition. Philosophical and theoretical foundations of nursing are examined, and personal values and beliefs about nursing are clarified. The nurse's role in relation to humankind, health, environment, and nursing is defined and developed. *Open only to licensed nurses.*

NUR 370. Transition: Health Assessment. **3 hrs.**
Second half of transition course and follow-up to Concepts. *Nurses must have an approved preceptor for the clinical component of this course. Open only to licensed nurses.*

NUR 420. Leadership and Client Care Management. **3 hrs.**
Theory, 2 hrs.; Clinical Experience, 1 hr.
Development of the management knowledge and skills essential for planning, directing, and evaluating client care in the health care environment. Concepts include client system, environmental processes, and health continuum. *Prerequisites:* All 300-level nursing courses.

NUR 430. Nursing Care: Life-Threatening Health Problems. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The use of the nursing process in critical care and specialty areas. The student will care for clients with complex life-threatening problems in the acute setting and is expected to demonstrate the clinical competence required of a beginning practitioner of nursing. Concepts include stress adaptation, environmental processes, role development, nursing process, health continuum, and client system. *Prerequisites:* All 300-level nursing courses.

NUR 440. Community Health Nursing. **5 hrs.**
Theory, 3 hrs.; Clinical Experience, 2 hrs.
The synthesis of public health science and nursing science to promote and maintain the health of the community. Students work with individuals, families, and groups using the nursing and epidemiological processes to plan and deliver nursing care. Clinical experiences are arranged in organized health agencies and community facilities in central West Virginia. Concepts include client system, environmental processes, and health continuum. *Prerequisites:* All 300-level nursing courses.

NUR 450. Trends and Issues in Nursing. **3 hrs.**
Theory, 2 hrs.; Clinical Experience, 1 hr.
A seminar exploring societal and professional trends and issues. The amalgam of nursing roles is analyzed to determine role performance. Focus is on role development as the student relates curricular concepts in practice. Concepts include role development, environmental processes, and the nursing process. *Satisfies advanced composition requirement for general studies. Prerequisites:* All 300-level nursing courses.

NUR 460. Research in Nursing. **2 hrs.**
The scientific method of inquiry as used in nursing. Quantitative and qualitative methods of nursing research are investigated and applied to clinical practice. Concepts include the nursing process and role development. *Prerequisites:* All 300-level nursing courses.

Nutrition

See Human Ecology for description of major and minor programs.

Philosophy

Hull, Keating

Philosophy is the love of wisdom. It is the attempt to provide a vision of the whole. Thus it is by nature interdisciplinary. The department teaches the history of thought, skill in dialogue, and respect for the truth, all of which help make a person better. Philosophical study is recommended both for its own sake and for the intelligence and sense of purpose it brings to professional life.

Any of the department's offerings, except PHL 340, may be taken to fulfill Wesleyan's general studies requirement in philosophy. However, 100- and 200-level courses are designed especially for the general studies student. The department encourages students to begin with one of these courses before attempting any of the others.

Requirements for Major

24 semester hours, including PHL 201, 240, 250, 260, 270, 340.

Requirements for Minor

18 semester hours, including PHL 201, 240; 250 or 260; and 270.

PHL 101. Introduction to Philosophical Thinking **3 hrs.**

An introduction to thinking about basic questions of knowledge, reality, and value, through analysis of readings in the sciences, literature, and philosophy.

PHL 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PHL 201. Logic. **3 hrs.**

An introduction to traditional syllogistic logic and to elements of modern symbolic logic with emphasis on improving the student's critical skills.

PHL 211. Political Philosophy **3 hrs.**

A general studies introduction to philosophy through the study of the nature and good of politics. *May be credited toward a major or minor in political science.*

PHL 221. Science, Reason and God. **3 hrs.**

A general studies introduction to philosophy through the study of the nature and value of knowledge in Western science and theology.

PHL 230. Ethics. **3 hrs.**

A general studies introduction to philosophy through the study of the nature and meaning of the good for persons.

PHL 240. Classical Philosophy. **3 hrs.**

Reading and discussion of representative classic texts in Western Philosophy from the Pre-Socratics through Plato, Aristotle, and the Stoics. Suitable for general studies.

PHL 250. Medieval Philosophy. **3 hrs.**

Reading and discussion of representative classic texts in Western philosophy from the beginnings of Christian philosophy to the Renaissance. Suitable for general studies.

PHL 260. Modern Philosophy. **3 hrs.**

The history of philosophy continued from the Renaissance with emphasis on British empiricism and Continental Rationalism to Kant. Suitable for general studies.

PHL 270. Recent Philosophy. **3 hrs.**

The history of philosophy continued from Kant to the present. Suitable for general studies.

PHL 301. Art and the Good Life. **3 hrs.**

An advanced course in selected contemporary philosophical problems in ethics, aesthetics, and political theory.

PHL 310. Modern Philosophy of Religion. **3 hrs.**

An advanced course in contemporary problems in philosophical theology.

PHL 320. Oriental Philosophy. **3 hrs.**

A survey of representative philosophical schools in India and China, including Hindu, Buddhist, and Confucian ethics, epistemology, and metaphysics.

PHL 331. Contemporary Philosophical Debates. **3 hrs.**

Study of selected problems of concern to persons currently doing research in philosophy. The relation of writing and bibliographical techniques to professional philosophy will be discussed.

PHL 340. Metaphysics and Epistemology. **3 hrs.**

Advanced course in problems in the theory of knowledge and metaphysics. *Prerequisite:* One other course in the department and instructor's permission.

Philosophy and Religion

Faculty in philosophy and religion offer an interdisciplinary major for students who have definite pre-theological plans.

Requirements for Major

36 semester hours, with the approval of the student's faculty advisor. A minimum of 12 semester hours should be selected from each discipline. Recommendations as to specific courses to be taken, depending on the student's interests and qualifications, include REL 210 and 221; PHL 201 and 240. The student is to select courses in consultation with the advisor.

Physical Education and Health

P. Bailey, Braine, Fruh, Klebez, Leaman, Smith

The physical education and health program is designed to (1) provide instruction in leisure time skills; (2) contribute to the development of physical fitness; (3) prepare physical education and health teachers; (4) contribute to the physical and emotional well-being of students; (5) prepare students for careers in coaching, athletic training, and sports medicine; (6) provide accurate up-to-date information in areas of interpersonal relationships, coping strategies, sexuality, nutrition, medical care, health products and services, common diseases, environment factors and community health; (7) emphasize that health education should be an integral part of every student's education. Students seeking teacher certification must refer to special requirements listed in the Education section of this catalog. All majors are cautioned to observe the limit of 45 credit hours in physical education and health that may be counted toward graduation.

Requirements for Physical Education Major

General Major: PED 101 (swimming) or proficiency test, PED 130, 140, 150, 201, 219, 220, 230, 251, 252, 320, 325, 345, 349.

Health Promotion/Fitness Management Concentration: PED 110, 130, 140, 150, 219, 220, 320, 325, 331, 332, 333, 338, 349; CHE 105, 106; HEC 265, 367; CSC 240; 450 clock hours of laboratory or clinical experience.

Requirements for Physical Education Minor

PED 140, 150, 219, 220, 251, 320, 345.

PED 101. Physical Education Activity. **1 hr.**
Fundamental rules, techniques and skills in any one of the following activities. *Team games:* basketball, volleyball, walleyball. *Individual sports:* golf, tennis, archery, bowling, swimming, racquetball, squash. *Dance activities:* aerobic dance, folk dance. *Other activities:* tumbling, gymnastics, body building, Nautilus training, self defense, stress management, martial arts, and jogging. *No more than four activity credits may count toward graduation.*

PED 110. Exercise and Weight Control. **3 hrs.**
Identification of health and fitness status, suitable nutrition and exercise programs, calorie needs at various ages. Course entails both class work and physical activity.

PED 130. Personal and Community Health. **2 hrs.**
An introductory course designed to help the student acquire the information, attitudes, and habits essential to healthful living. An introduction to disease prevention, sanitation, food regulations and supply, housing, etc.

PED 140. First Aid and Safety. **3 hrs.**
A course designed to provide the student with the skills needed in the emergency care of the sick and injured, and to introduce the principles of safety and accident prevention.

PED 150. Physical Education Major I. **4 hrs.**
Introduction to physical education, its various fields, qualifications and employment possibilities. Fitness activities, testing and evaluation. An in-depth study of personal fitness, track and field, swimming and dance with emphasis on physical education fundamentals, basic coaching, choice and care of equipment.

PED 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PED 201. School Health Problems. **2 hrs.**
Problems involved in school health programs including methods and materials for health instruction in elementary and secondary schools.

PED 204. Sports Medicine I. **3 hrs.**
Introduction to the medical aspects of sports, including the basic principles of prevention, evaluation and treatment of athletic injuries. Laboratory sessions will introduce various wrapping and strapping techniques in addition to basic rehabilitation procedures. *Prerequisite:* PED 140.

PED 209. Athletic Training Practicum I. **1 hr.**
Practical experience in the college training room and in the public school athletic program. *Meets 1-2 hours per week. Pass/Fail grading. Prerequisite:* PED 140, 204.

PED 210. Athletic Training Practicum II. **1 hr.**
Practical experience in the college training room and observational experience in the general and/or orthopedic surgical department of local hospitals. *Meets 1-2 hours per week. Pass/Fail grading. Prerequisite:* PED 209.

PED 219. Anatomy and Physiology I. **3 hrs.**
The structure and function of the human organism. Major topics will include skeletal anatomy and function, muscular structure and function, the molecular basis of cell physiology and the nervous system.

PED 220. Anatomy and Physiology II. **3 hrs.**
A continuation of PED 219 emphasizing the following systems: cardiovascular, respiratory, gastrointestinal, renal, endocrine and reproductive. *Prerequisite:* PED 219.

PED 230. Elementary Rhythms and Movement. **2 hrs.**
An introduction to a study of basic movement skills, movement exploration, singing games, folk dancing, and social dancing, as they apply to the elementary physical education program. Emphasis on planning and conducting the activities.

PED 251. Physical Education Major II. **3 hrs.**
An in-depth study of touch football, soccer, volleyball and basketball with emphasis on physical education fundamentals, basic coaching, choice and care of equipment. *Prerequisite:* PED 150.

PED 252. Physical Education Major III. **3 hrs.**
An in-depth study of racquetball, golf, softball and tennis with emphasis on physical education fundamentals, basic coaching, choice and care of equipment. *Prerequisite:* PED 251.

PED 304. Sports Medicine II. **3 hrs.**
An in-depth study of advanced medical aspects of sports, including athletic injury prevention, administrative procedures, research and rehabilitation techniques. Discussion of special topics

such as the female athlete, pharmacology, and dermatology will be included. *Prerequisite:* PED 204.

PED 309. Athletic Training Practicum III. **1 hr.**

Practical experience in the college training room, in the private or hospital-based sports medicine/physical therapy clinic, and in the hospital emergency room. *Meets 1-2 hours per week. Pass/Fail grading. Prerequisite:* PED 210.

PED 310. Athletic Training Practicum IV. **1 hr.**

Practical experience in the college training room and in the private or hospital-based sports medicine/physical therapy clinic. *Meets 1-2 hours per week. Pass/Fail grading. Prerequisite:* PED 309.

PED 315. Health Education Seminar. **1 hr.**

An in-depth study of selected issues in health education on the local, state, national, and international level.

PED 320. Exercise Physiology. **3 hrs.**

The physiological effects of exercise on the human body; areas of interest include concepts of physical fitness, fatigue, weight control, nutrition, environmental stresses and review of the latest research in human performance. *Prerequisites:* PED 219, 220.

PED 325. Kinesiology. **3 hrs.**

A study of the principal muscles of the human body, how the muscles work together to perform with ease and efficiency, the basic motor skills, and the prevention and correction of certain posture defects. *Prerequisite:* PED 320.

PED 331. Laboratory Techniques in Adult Fitness I. **1 hr.**

Practical experience in areas of fitness evaluation, prescription, and supervision. The development of basic techniques in a supervised setting. *Pass/Fail grading. Prerequisite:* PED 220.

PED 332. Laboratory Techniques in Adult Fitness II. **1 hr.**

Continuation of PED 331. *Pass/Fail grading. Prerequisite:* PED 331.

PED 333. Laboratory Techniques in Adult Fitness III. **1 hr.**

Continuation of PED 332. *Pass/Fail grading. Prerequisite:* PED 332.

PED 338. Exercise Testing and Prescription. **3 hrs.**

A course designed to provide knowledge and experience in the field of graded exercise testing, exercise prescription and rehabilitation of persons with cardiovascular disease. *Prerequisite:* PED 325.

PED 342. Motor Learning and Evaluation. **3 hrs.**

Introduction to motor learning and skilled performance, learning theories, models of skill acquisition, statistical methods, and fitness and performance measurement. *Prerequisite:* Upperclass standing in physical education or allied field.

PED 345. Principles, Organization and Administration of Health, Physical Education and Athletics. **3 hrs.**

A study of the problems confronting teachers, coaches, principals, and supervisors in physical education and athletic programs of the public schools. A development of the understanding of basic physical education and athletic principles on which decisions can be made relative to problems teachers and coaches may encounter.

PED 349. Adapted Physical Education. **2 hrs.**

A study of the adapted physical education program within the school curriculum with emphasis on development of individual programs for exceptional children. *Prerequisite:* PED 325.

PED 352. Methods of Physical Education in Elementary Schools. **3 hrs.**
This course is designed to help develop philosophy, objectives, activities, program-planning and evaluation for a functional and meaningful program in elementary school physical education. *Prerequisite:* Junior or senior standing.

PED 353. Methods of Physical Education in Secondary Schools. **3 hrs.**
Philosophy, objectives, activities, equipment, program-planning, measurement and evaluation procedures for a functional program in secondary school physical education. *Prerequisite:* Junior or senior standing.

PED 357. Team Sports: Football. **3 hrs.**
A clinical analysis of coaching football at the varsity level. The course is intended for future coaches; includes philosophy, code of ethics, rules, and skills of the game.

PED 358. Team Sports: Basketball. **3 hrs.**
A clinical analysis of coaching basketball at the varsity level. The course is intended for future coaches; includes philosophy, code of ethics, rules, and skills of the game.

PED 361. Officiating: Football. **1 hr.**
Introducing the techniques and mechanics of officiating football, including principles and interpretation of rules. State officiating test and supervised practice.

PED 362. Officiating: Basketball. **1 hr.**
Introducing the techniques and mechanics of officiating basketball, including principles and interpretation of rules. State officiating test and supervised practice.

PED 368. Methods of Teaching Health. **3 hrs.**
This course is designed for prospective teachers, giving them the opportunity to evaluate various health teaching methods and learn measurement and evaluation procedures. *Prerequisite:* Junior or senior standing.

PED 372. Laboratory Techniques in Sports Medicine. **1 hr.**
Discussion of and practical experience in the assessment of orthopedic injuries, including joint range of motion, manual muscle testing, neurological testing and other tests used to evaluate athletes for both preventive and rehabilitative purposes. *Prerequisites:* PED 204, 304.

PED 376. Therapeutic Modalities and Rehabilitative Techniques in Sports Medicine. **3 hrs.**
Introduction to the clinical aspects and study of therapeutic modalities and rehabilitative techniques used in the treatment of athletic injuries. Students will gain hands-on experience with the various modalities (electrical stimulation, ultrasound, massage) currently used in sports medicine. Practical experience will be provided in the planning, creation, and implementation of rehabilitative programs for various sports-related injuries. *Prerequisites:* PED 204, 304.

PHYSICS AND ENGINEERING

McBride, Popson, Wiest, Withey

Wesleyan's program in physics and engineering is multidisciplinary and includes the areas of astronomy, geology, physics, engineering, and physical sciences for the non-science majors. The program provides for a B.A. major and a minor in theoretical physics to provide students a broad general background in the discipline and a B.S. degree in engineering physics to prepare students to work in technological development and applied settings. In addition, a cooperative four-one program leads to an M.S. degree in aeronautical engineering.

Requirements for Physics Major, Bachelor of Arts Degree

MTH 161, 162, 230, plus 26 semester hours of physics, which must include PHY 151, 152, 210, 211, 310, 340 (or CHE 331), 360, 497, 498.

Requirements for Physics Minor

16 semester hours of physics from the above list of courses available for the physics major.

Requirements for Engineering Physics Major, Bachelor of Science Degree

PHY 151, 152, 210, 211, 220, 221, 250, 305, 310, 320, 330, 331, 345, 360, 370, 388, 497, 498; CHE 161, 162, 331 (or PHY 340); CSC 230; MTH 161, 162, 230, 301. Engineering Physics majors may count up to 52 hours of physics and engineering courses toward the 128 hours required for graduation.

For descriptions of Wesleyan's cooperative programs in eight options in engineering with the University of Pennsylvania and in aeronautical engineering with Langley-NASA Research Center, see page 44.

PHY 101. Concepts of Physical Science I. **3 hrs.**
An introductory course in physical principles for non-science majors. The course emphasizes classical as well as modern theories of science and their practical applications to everyday living. Lectures, demonstrations and laboratory experiences. *Prerequisite:* Proficiency in basic algebra or permission of instructor.

PHY 102. Concepts of Physical Science II. **3 hrs.**
Continuation of PHY 101. *Prerequisite:* PHY 101.

PHY 109. Physical Science for Teachers I. **3 hrs.**
An introductory course in the physical sciences for elementary education majors with emphasis on teaching methods. Consists of both lecture and laboratory experiences. *Freshman or sophomore year only.*

PHY 110. Physical Science for Teachers II. **3 hrs.**
Continuation of PHY 110. *Prerequisite:* PHY 110. *Freshman or sophomore year only.*

PHY 121. Geology I. **3 hrs.**
A general introduction to the study of the earth including the processes operating on and within the earth. A physical and biological history of the earth. Lecture and laboratory experiences.

PHY 122. Geology II. **3 hrs.**
Continuation of PHY 122. *Prerequisite:* PHY 122.

PHY 131. Astronomy I. **3 hrs.**
A general introduction to the study of astronomy. Composition, structure, motion and evolution of the universe. Lecture and laboratory experiences.

PHY 132. Astronomy II. **3 hrs.**
Continuation of PHY 131. *Prerequisite:* PHY 131.

PHY 141. Introduction to Engineering. **1 hr.**
The role of engineering in our society. History, ethical responsibilities, methods of problem solving. Fields of engineering and relationships to the sciences. An introduction to CAD, CAM, and Quality Control. *Open to freshmen only.*

PHY 151. General Physics I. **4 hrs.**
An introductory course in mechanics, heat, sound, electricity, magnetism, and light designed for the science major. Lecture and laboratory. *Prerequisite:* Demonstrated knowledge of algebra and trigonometry.

PHY 152. General Physics II. **4 hrs.**
Continuation of PHY 151. *Prerequisite:* PHY 151.

PHY 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PHY 210. Light and Atomic Physics. **3 hrs.**
Kinetic theory, charged subatomic particles, atomic interactions with radiation, photon mechanics and relativity, Bohr theory, quantum mechanics, quantum theory of solids. *Prerequisite:* PHY 152. *Corequisite:* MTH 161.

PHY 211. Light and Atomic Physics Laboratory. **1 hr.**
Experiments in physical optics, atomic absorption and emission of light, microwaves, ratio of electronic charge to mass, x-rays and crystal structure, cloud chamber, nuclear magnetic resonance. *Corequisite:* PHY 210.

PHY 220. Nuclear Physics. **3 hrs.**
Particle accelerators, detection of charged particles, the neutron, nuclear stability, nuclear reactions, nuclear forces, nuclear shell model, beta decay, particle physics. *Prerequisite:* PHY 210. *Corequisite:* MTH 162.

PHY 221. Nuclear Physics Laboratory. **1 hr.**
Experiments in detection of charged particles, detection of neutrons, detection of gamma rays, counting statistics, radiation shielding, stopping power, calibration of the long counter, calibration of the scintillation counter, semiconductor detectors, the multichannel analyzer, time-of-flight techniques, analysis of bubble chamber photographs, detection electronics. *Corequisite:* PHY 220.

PHY 250. Electronics. **3 hrs.**
Topics include D.C. and A.C. circuits and characteristics and uses of semiconductor devices. A study of rectifiers, amplifiers, oscillators. Class time includes lectures and laboratory experiments. *Prerequisite:* PHY 152.

PHY 260. Digital Electronics. **3 hrs.**
Representation of digital information, combinational logic networks, integrated circuit technology, computer equipment, microprocessors, logical design of minicomputers. Includes lecture and laboratory. *Prerequisite:* PHY 250.

PHY 270. Quantum Mechanics. **3 hrs.**
Solutions to the Schroedinger equation, the Heisenberg uncertainty principle, step potentials, tunneling, potential wells, harmonic oscillators, the hydrogen atom, approximation methods. *Prerequisites:* PHY 151, 152; MTH 161, 162; PHY 210 or CHE 221.

PHY 305. Electro-Optics Laboratory. **1 hr.**
Measurements in modern optics involving electromagnetic theory. Experiments include Kerr effect, electron beam optics, fiber optical wave guides, monochromator, ruby laser, nonlinear optics, nitrogen laser, tunable dye laser, excitation of atoms with laser beams. *Prerequisites:* PHY 210, 211.

PHY 310. Theoretical and Applied Mechanics. **3 hrs.**
Vector concepts, Newtonian mechanics, linear oscillations, Lagrangian and Hamiltonian dynamics, centralforce motion, dynamics of rigid bodies. *Prerequisites:* PHY 152, MTH 230.

PHY 320. Material Science. **3 hrs.**
Crystal structure, crystal defects, stress, strain, theories of hardness, theories of failure, basic principles of metallurgy. *Prerequisite:* PHY 210. *Corequisite:* MTH 223.

PHY 330. Solid State Physics. **3 hrs.**

Thermal, optical, and electronic properties of solids. Semiconductive devices including transistors, tunnel diode, semiconductor laser, and the LED. Magnetism, magnetic resonance and superconductivity. *Prerequisite:* PHY 210.

PHY 331. Solid State Laboratory. **1 hr.**

Properties of intrinsic and extrinsic crystals are measured. Experiments to be performed include X-ray spectrometry of crystals, the Hall effect, pure and doped crystals; magnetic resonance, Mossbauer spectrometry, super conductivity. *Corequisite:* PHY 330.

PHY 340. Engineering Thermodynamics. **3 hrs.**

The principles and applications of thermodynamics. Topics include the first and second laws of thermodynamics, reversibility, PVT surfaces, non-ideal gas equations, enthalpy, entropy, heat engines and heat pumps, carnot cycle, efficiency, Maxwell's equations, thermodynamics of flow processes, analysis of systems. *Prerequisites:* PHY 152, MTH 162.

PHY 345. Engineering Measurements Laboratory. **1 hr.**

Internal combustion engine: principles of operation, torques, analysis of forces and accelerations. Fluid dynamics: measurement of pressure drops, velocity profiles, and critical dimensionless numbers. Bonded resistance gages: application, use, temperature correction. Mechanics: driven, damped oscillator and gyroscope. Rankine power cycle: open versus closed, efficiency. *Prerequisites:* PHY 151, 152.

PHY 350. Fluid Mechanics. **3 hrs.**

The Bernouilli equations, momentum equations, potential flows, viscosity, streamlines, supersonic flow, open channels, turbomachines, the Navier-Stokes equations. *Prerequisites:* PHY 152, MTH 230.

PHY 360. Electromagnetic Theory. **3 hrs.**

Vector analysis, electric and magnetic fields, solution to Laplace's equation in spherical and cylindrical coordinates, electrostatic images, polarization, dielectrics, electrostatic and magnetic energy, electric current, Biot-Savart law, electromagnetic induction, Kirchoff's laws, the differential equations of circuits, Maxwell's equations, electromagnetic waves. *Prerequisites:* PHY 152, MTH 230.

PHY 370. Strength of Materials/Machine Design. **3 hrs.**

Techniques required to analyze the deformations and internal stress distributions of elastic elements of structures and machines. Stress-strain relationships, beam theory, shear, energy methods, and critical speeds. *Prerequisites:* PHY 152, MTH 230. *Offered every fall semester.*

PHY 375. Heat Transfer. **3 hrs.**

Conduction; rectangular and polar coordinates, steady-state and transient analysis. Convection; free and forced, internal and external flows, phase change. Radiation; black and gray radiators, shape factors. Analytic and numerical solutions. *Prerequisites:* PHY 151, 152; MTH 230; and proficiency in a computer programming language.

PHY 497. Research Seminar I. **1 hr.**

Students will study the style of writing required for scientific research papers, become acquainted with scientific research journals, and write a research paper based on literature search. *In combination with PHY 498, satisfies advanced composition requirement for general studies. Prerequisite:* Physics or engineering physics major.

PHY 498. Research Seminar II. **1 hr.**

Continuation of PHY 497. Students will conduct experimental research and write a research paper and give an oral presentation based on their own work and results. *In combination with PHY 497, satisfies advanced composition requirement for general studies. Prerequisite:* PHY 497.

Political Science

Boateng, Bright, Morrissette, R. Rupp

The undergraduate degree in political science provides a suitable foundation for the student who wishes to obtain an advanced degree in political science, public administration, and other disciplines within the social sciences. The pursuit of a future degree in law is another frequent goal of the undergraduate major.

The degree in political science can lead to employment opportunities in government service on all levels, including the diplomatic service; in research organizations; in social advocacy and lobbying programs; in journalism and specialized writing and editing; in full-time professional campaign organizations; as well as to the holding of elective or appointive office.

Requirements for Major

30 semester hours in the discipline, including PSC 101 or 120; two courses from PSC 202, 210, 220; two courses from PSC 231, 232, 320, 325, 360; one course from PSC 215, 331; plus PSC 497. PHL 211 (Political Philosophy) may be credited toward the major.

Requirements for Minor

15 semester hours. PHL 211 (Political Philosophy) may be credited toward the minor.

PSC 101. American Federalism. **3 hrs.**
An analysis of the interaction of citizens and institutions of the United States in the formation, implementation, and adjudication of public policy at the national level.

PSC 120. Contemporary Political Science. **3 hrs.**
A general introduction to the discipline of political science.

PSC 188, 288, 388, 488. Special Topics. **1-3 hrs.**
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PSC 202. State and Local Government. **3 hrs.**
A comparative analysis of governments on the local, county, and state levels in the United States, and their interrelationship in the American Federal System. *Prerequisite:* PSC 101 or 120.

PSC 210. Parties and Elections. **3 hrs.**
A description and critical analysis of the American political process, focusing on the formation of political beliefs, the development of political parties, and trends in recent electioneering practices. *Prerequisite:* PSC 101 or 120.

PSC 215. Constitutional Law. **3 hrs.**
A course in the legal principles of the Constitution of the United States as interpreted by the courts. The case method is used. *Prerequisite:* PSC 101 or 120.

PSC 220. The American Presidency. **3 hrs.**
An examination of the American presidency and those individuals who shaped its evolution. The problems and issues raised as the institution developed will be studied within a biographical and historical framework, and consideration will be given to social science perspectives on the place and role of the presidency as it reflects and affects American society and values. *Prerequisite:* PSC 101 or 120.

PSC 231. International Relations I. **3 hrs.**
Formulation and execution of foreign policy with emphasis on American foreign policy; policy-making processes; main lines of foreign policy since 1945; relationships with the Soviet Union, Europe, China and the "third world." *Prerequisite:* PSC 101 or 120.

PSC 232. International Relations II. **3 hrs.**
Theory of international relations; basic factors affecting the position and policies of states, such as geography and demography; nationalism; imperialism; technological and economic factors; conflicting ideologies; instruments of foreign policy, such as diplomacy, propaganda, military power and economic and military assistance; international law and international organization. *Prerequisite:* PSC 101 or 120.

PSC 310. Politics of Social Policy. **3 hrs.**
The dynamics of the political process in the development of social policies and services toward meeting human needs, including housing, health and education. Emphasis upon the policy-making process, the role of non-governmental organizations, techniques of analysis and evaluation of social policy, social advocacy, and the ethical bases of policy options. Global perspective on issues concerning the elderly and women. *Prerequisite:* PSC 101 or 120.

PSC 320. Comparative Developed States. **3 hrs.**
A comparative examination of government and politics in selected countries and areas which are generally considered to have high levels of political and economic development, such as England, France, Germany, and Japan. *Prerequisite:* PSC 101 or 120.

PSC 325. Comparative Developing States. **3 hrs.**
A comparative examination of the institutions and processes of government and society in selected developing countries and areas, such as India, Southeast Asia, Africa and Latin America. *Prerequisite:* PSC 101 or 120.

PSC 331. Political Theory I. **3 hrs.**
Reading, discussion and analysis of selected political and social theories in ancient times. *Prerequisite:* PSC 101 or 120.

PSC 332. Political Theory II. **3 hrs.**
Continuation of PSC 331, covering the modern period. *Prerequisite:* PSC 331.

PSC 360. International Organizations and Global Issues. **3 hrs.**
Description under SOC 360.

PSC 497. Senior Seminar. **3 hrs.**
Advanced readings, discussion, and use of primary and secondary materials to write and present orally a major research paper. Methods will include the use of numeric data, speeches, and official government records. *Satisfies advanced composition requirement for general studies.* *Prerequisite:* Senior political science major or permission of instructor.

Psychology

Richard Calef, Ruth Ann Calef, Choban, Glenney

It is the purpose of this program to aid students in understanding themselves and others through the perspective of the scientific study of psychology. It provides basic mastery of content appropriate to the undergraduate level and a thorough grounding in the scientific method. Students may not earn more than six credits in readings in psychology, which are done by learning contract. Only three of these may be included in the 30 minimum for Track I.

Requirements for Major

Track I (for majors who seek a solid general foundation in psychology that will terminate at the undergraduate level): PSY 101, 211, 225, 220 or 235, 245, 330, 361, 362; 8-9 hours of electives (30 semester hours).

Track II (for students who seek a thorough foundation in the discipline as preparation for graduate study): PSY 101, 215, 230, 245, 301, 304, 320, 340, 367, 368 (31 semester hours).

In most cases, students should select their major track by the first semester of their sophomore year.

Requirements for Minor

15 semester hours, including PSY 101.

PSY 101. General Psychology. 3 hrs.
A survey of basic concepts in psychology including physiological mechanisms, learning, personality, abnormal behavior and psychotherapy, development, social processes and intelligence.

PSY 126. Addictions and Recoveries. 3 hrs.
Exploration of addictive substances and addictive behaviors and their impact on the individual, the family and society. Includes signs and symptoms, assessment, treatment, and recovery processes.

PSY 188, 288, 388, 488. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

PSY 205. Business and Industrial Psychology. 3 hrs.
Designed to help students to understand, to appreciate and to apply basic psychological processes relevant to administration and organization in business and industry. This course is appropriate for students in business and may be credited toward a major in accounting, business administration, finance, management or marketing or toward a minor in business. *Prerequisite:* PSY 101.

PSY 211. Psychological Experimentation. 3 hrs.
An introduction to methodology in psychological experimentation. Students will gain experience in conducting a research project and presenting results of their study. Track I curriculum. *Prerequisite:* PSY 101.

PSY 215. Advanced Experimental Psychology. 4 hrs.
An introduction to experimental methods in psychology emphasizing practice in formulating and investigating research problems, applying scientific method in a laboratory setting and developing skill in presenting scientific reports. Experience in literature review and application of the computer to research data. *Prerequisites:* PSY 101, 230; CSC 101.

PSY 220. Human Relations Training. 3 hrs.
A practicum designed to provide supervised first-hand experience in interpersonal communication. Intended primarily for students planning to enter the counseling or personnel fields, this course seeks to develop skills in attentiveness to verbal and non-verbal cues in identifying and understanding other people's feelings. *Prerequisite:* PSY 101.

PSY 225. Introductory Statistics for Social Sciences. 3 hrs.
An introduction to commonly encountered statistical concepts and techniques, with an emphasis on practical application and interpretation. Includes descriptive and inferential statistics needed to address problems frequently found in a variety of work settings and use of computer applications for solution of such problems. *Prerequisite:* PSY 101.

PSY 230. Statistics and Methodology in the Behavioral Sciences. 4 hrs.
Components of research design, scales of measurement, descriptive statistics, probability, and inferential statistics with emphasis on relating statistical techniques to general strategies of research in the social sciences. Includes a computer laboratory. *Prerequisite:* PSY 101.

PSY 235. Developmental Psychology I. **2 hrs.**
A chronological survey of major developmental issues and tasks from conception through middle childhood. Application of theory and research to issues confronted by health and human services practitioners, educators, and parents. Students with credit for Child and Adolescent Psychology may not enroll. *Prerequisite:* PSY 101.

PSY 236. Developmental Psychology II. **2 hrs.**
A chronological survey of major developmental issues and tasks from adolescence to death. Application of theory and research to issues confronted by health and human services practitioners and by the children of aging parents. *Prerequisite:* PSY 101.

PSY 240. Laboratory in Developmental Psychology I. **1-2 hrs.**
Students work with children individually and in groups at the Child Development Center, planning and implementing age-appropriate activities under supervision of the director of the Center. *Prerequisite:* Concurrent enrollment in PSY 235.

PSY 245. Theories of Personality and Psychotherapy. **3 hrs.**
A survey of major contemporary theoretical approaches to counseling. Methods of counseling derived from each theory are presented in readings and demonstrations. The course may be of interest to students who are considering careers in clinical, counseling or school psychology, psychiatry, social work, guidance, or pastoral counseling. *Prerequisite:* PSY 101.

PSY 250. Laboratory in Academic Peer Counseling. **1 hr.**
Students work with academically at-risk freshmen to plan and implement appropriate study and time management strategies, discuss academic concerns, monitor class attendance. Documentation of activities; supervision by psychology department faculty. *Prerequisites:* PSY 220 and instructor's permission.

PSY 255. Laboratory in Psychological Experimentation I. **2 hrs.**
Directed participation in experimental procedures including literature review and experiment preparation. *Prerequisite:* PSY 211.

PSY 256. Laboratory in Psychological Experimentation II. **2 hrs.**
Participation in experimental project, including experience with data compilation, preparation of abstracts and oral presentation of results. *Prerequisite:* PSY 255.

PSY 301. Social Psychology. **3 hrs.**
A survey of theory and research regarding social influences on individual behavior and the application of these findings to selected social issues. Lectures and discussion. *Prerequisite:* PSY 101.

PSY 304. Learning and Memory. **4 hrs.**
A survey of the concepts, research methods and principles of learning and memory, with a primary focus on contemporary investigations of human and animal learning. Historical antecedents of principles, theories and methods are reviewed insofar as they are important to the understanding of contemporary issues. Includes laboratory exercises and use of computer for data analysis. *Prerequisite:* PSY 101, junior or senior standing.

PSY 311. Psychology of Personality. **3 hrs.**
A survey of methods, findings, and theories relating to the psychology of personality. Personality development, motivation, influences that contribute to adjustment and maladjustment; varieties of adjustive behavior, and influence of cultural forces. *Prerequisite:* PSY 101.

PSY 320. Abnormal Psychology. **3 hrs.**
A broad overview of the various types or classifications of "abnormal" behavior according to the DSM system. Also discussed will be the application of theory and research to issues confronted by social service providers, educators, and parents. *Prerequisite:* PSY 101.

PSY 330. Psychological Tests and Measurements. **3 hrs.**
Theory of psychological measurement, methods of evaluating tests, review and practical application of the most commonly used psychological tests. *Prerequisites:* PSY 101, 225; junior or senior standing.

PSY 340. Biological Psychology. **3 hrs.**
Structure and function of the nervous, sensory and muscular systems; their roles in emotion, motivation, learning and behavioral disorders; regulatory mechanisms and effects of drugs and environmental agents on functioning. *Prerequisite:* PSY 101.

PSY 350. Behavior Modification. **3 hrs.**
The application of the learning and motivation principles of Skinner, Pavlov, Hull and Wolpe to abnormal psychology, mental retardation, education, industry and life in general. Beneficial to people who wish to pursue some avenue of counseling, or plan to work in hospitals or clinics. *Prerequisite:* PSY 101.

PSY 361. Practicum in Psychology I. **2 hrs.**
Practical internship experience in a supervised clinical setting, including planning and delivery of services, documentation and presentation of outcome. Supervised by psychology department faculty and field supervisors at practicum site. Campus and off-campus placements available; learning objectives and activities drawn from previous course content. *Prerequisites:* PSY 245 plus either PSY 235 (for placement in a child care agency) or PSY 220 (for placement with college students).

PSY 362. Practicum in Psychology II. **2 hrs.**
Continuation of PSY 361. *Prerequisite:* PSY 361.

PSY 367. Thesis in Psychology I. **2 hrs.**
Required of junior Track II majors. Students will gain experience in reviewing the literature on a specific research topic in experimental psychology and designing an experiment based on the previous research. *In combination with PSY 368, satisfies advanced composition requirement for general studies. Prerequisite:* PSY 215.

PSY 368. Thesis in Psychology II. **2 hrs.**
Continuation of PSY 367. Students are given the experience of conducting laboratory research on topic reviewed in PSY 367, analyzing the data and using APA standards in writing the lab report associated with the experiment. Students will also be required to present an oral defense of their research project. *In combination with PSY 367, satisfies advanced composition requirement for general studies. Prerequisite:* PSY 367.

Public Relations

See Communication and Dramatic Arts for description of major program.

Religion

Bercovitz, A. Holmes, K. Welliver

The study of religion is a study of traditions, commitments and some of the most important human questions. It encompasses scriptural foundations, historical development, theological reflection and social-cultural expression. In keeping with the tradition of the College, the study of Christianity receives particular attention, but attention is also given to other religions in the global community.

The major or minor is appropriate for persons preparing for further theological study and church-related vocations. It also recommends itself to students interested in pursuing

studies which emphasize questions of meaning and mystery in human experience and which encourage the development of historical perspective and the critical habit of mind characteristic of the humanities.

Students in Religion are encouraged to consider the study of New Testament Greek (see page 110) or other languages.

Requirements for Major

24 semester hours beyond the introductory course (REL 101, 110), including REL 205, either 221 or 222, either 230 or 235, either 210 or 305, and either 240 or 245. Students anticipating a major should elect REL 101, 110, or 221 as their initial course. Seniors must complete a comprehensive examination.

Requirements for Minor

15 semester hours.

REL 101. Introduction to the Bible. 3 hrs.
An introductory study of the Biblical literature, its origin in the Jewish and Christian communities, and the literary and cultural developments involved in its emergence as the norm of faith for those communities.

REL 110. Introduction to Religion. 3 hrs.
An introduction to religious questions of basic belief, behavior, and value commitment, and to religious dialogue in the plural world community.

REL 120. Religion in America. 3 hrs.
An introduction to the history of religion in America through the study of selected readings on the meaning of the American experience.

REL 188, 288, 388, 488. Special Topics. 1-3 hrs.
A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

REL 205. The Christian Tradition. 3 hrs.
A study of ideas and movements in Christianity; selected thinkers in the early, medieval and reformation periods; Catholic and Reformation thought in the modern world.

REL 210. Basic Christian Faith. 3 hrs.
An introductory study of basic elements of Christian theology. Emphasis is placed on the situation and interpretation of the Christian faith in the modern world.

REL 215. Christian Ethics. 3 hrs.
Ethical issues in the Christian tradition, with attention to the sources of the tradition and to various moral theories; application to cases in both personal conduct and in society.

REL 221. Old Testament Studies I. 3 hrs.
The religion of Israel in historical perspective during the pre-exilic period, with emphasis upon the prophets.

REL 222. Old Testament Studies II. 3 hrs.
Selected groups of Old Testament writings—prophets, psalms, wisdom and apocalyptic literature—beginning at the time of the exile.

REL 230. Jesus in the Gospels. 3 hrs.
The mission and message of Jesus as presented in the Synoptic Gospels; methods of interpretation.

REL 235. Paul and the Early Church. 3 hrs.
A study of early Christian literature, with special focus on the Pauline letters.

REL 240. Judaism and Islam. 3 hrs.
A historical study of Judaism and Islam against the background of other Near Eastern religions, such as Zoroastrianism and Christianity; consideration of current expressions of faith and practice.

REL 245. Hinduism and Buddhism. 3 hrs.
A historical study of the faith and practice of Hinduism and Buddhism, with consideration of other Asian religious traditions alongside which these have developed.

REL 305. Modern Christian Thought. 3 hrs.
An introduction to contemporary Christian thinkers, theological questions and movements. *Prerequisite:* One course in Religion.

REL 310. Major Religious Thinkers. 3 hrs.
A study of the history of religious thought through representative individuals or periods of historical importance. *Prerequisite:* One course in the department.

REL 315. Religious and Cultural World of the Bible. 3 hrs.
Examination of religious and ethical ideas of the Biblical period. Selections will be made from materials from the Near East relevant to the Old Testament, intertestamental literature, or Jewish and Hellenistic background to the New Testament. *Prerequisite:* REL 101 or 221.

Social Science

Wesleyan offers an interdisciplinary major in social science for students seeking a basic understanding of the structure of society, its institutions, and the activities of its members. Students planning to teach social studies will find teacher certification requirements in the Education section of this catalog.

Requirements for Major

39 semester hours including ECO 110, 120; HST 121, 122; PSC 101; PSY 101; SOC 101, 110; plus 15 additional hours from the above disciplines. Students are encouraged to consult with their advisor in making specific course selections.

Sociology and Anthropology

Bright, Peterson, Rao, Warner

The study of sociology and anthropology assists students in developing their understanding of the general character of human relationships and the dynamic interaction between persons and social roles and social structures. Faculty members take a special interest in the issues of freedom and oppression, of human rights and those social structures which inhibit those rights.

Requirements for Sociology Major

25 semester hours including 101, 110, 305, 345, 378, and 420. It is strongly recommended that majors elect at least one course in each of the other social sciences. Students planning graduate study should elect a course in statistics and computer programming.

Requirements for Sociology Minor

15 semester hours, including 101 and 378.

Requirements for Anthropology Minor

15 semester hours, including 110, 115, 301 and 365. Three hours of Indian Studies (SOC 131, 132), as well as learning contracts in anthropology may be credited toward the minor.

SOC 101. Principles of Sociology. **3 hrs.**

Introduction to the sociological perspective, the traditions, concepts and methods of social inquiry. Examination of society's highly structured organizational and institutional life; the dynamic relationship between person, role and social structure; collective behavior, socialization, culture, conflict and change. The value of human freedom and the structures which restrict it.

SOC 110. Introduction to Anthropology. **3 hrs.**

An investigation into human differences and similarities through time and space and an examination of the interaction of biological, cultural and ecological factors in the development of humans and their extremely diverse life styles. Archaeology, linguistics, physical anthropology and cultural anthropology are introduced together with topics such as marriage, kinship, economic systems, political organization, subsistence systems, technology, religions and cultural change.

SOC 115. Cultural Anthropology. **3 hrs.**

A study of the various branches, history, scope, and organization of culture. The growth of culture, theories, universals, material culture, economic organization, social and political organization, social control, world view, linguistics, and the relation of culture to the individual. *Prerequisite:* SOC 110 or permission of instructor.

SOC 120. Social Inequality. **3 hrs.**

A study of the process by which people are ranked in hierarchies of class, status and power. Examines the American class structure and other societal systems such as caste, estate, socialism, and meritocracy. The course analyzes the consequences of inequality for society (poverty and the "power elite"), and for individuals (life chances and life styles).

SOC 131. Indian Studies I. **3 hrs.**

A summer course that surveys the origins of Native Americans on this continent, relations between Indians and the United States government, cultural traditions of several tribes, and contemporary issues.

SOC 132. Indian Studies II. **3 hrs.**

A summer travel course including visits to Cherokee, Pueblo, Navaho and other communities in the Southwest, as well as prehistoric Indian ruins. *Prerequisite:* SOC 131.

SOC 145. Criminology. **3 hrs.**

A study of the types and causes of crime, methods of prevention, punishment and rehabilitation, and the administration of criminal justice. Includes a special section on rural crime.

SOC 188, 288, 388, 488. Special Topics. **1-3 hrs.**

A course or seminar on a selected topic within the discipline that is not otherwise represented in the curriculum.

SOC 220. The Family in Transition. **3 hrs.**

A study of the contemporary institution of the family in an international context. Diverse family patterns, structures, and functions and male and female roles, with emphasis on the family's responsiveness to change. The impact of increasing longevity, divorce rates, economic recession, and participation of women in the work force.

SOC 225. Women in Social Transition. 3 hrs.
Historical and global perspectives on the development of sex roles. Emphasis upon examination of socio-economic, political, psychological and familial implications of traditional and emerging roles of women in contemporary societies.

SOC 230. Sociology of Health. 3 hrs.
A critical examination of major problems and issues in the American health system, including social and political "causation" of disease; the relationship of health service providers, allied health industries, and government; the role of technology; the wellness movement; escalating health care costs; and alternative models of health delivery. *Prerequisite:* SOC 101.

SOC 235. Perspectives on Aging. 3 hrs.
Multidisciplinary perspectives and diverse theories on aging. Cross-cultural (international) comparison of gerontological issues and current trends, with main focus on contemporary American scene. Emphasis upon personal, national and international preparation for productive aging. *Prerequisite:* SOC 101 or permission of instructor.

SOC 240. Juvenile Delinquency. 3 hrs.
A survey of the causes, theoretical explanations, and methods of prevention and "treatment" of juvenile delinquency; public attitudes toward juvenile delinquency and the history of the juvenile justice system in America.

SOC 250. Social Problems and Social Services. 3 hrs.
A study of social problems and related issues and trends with a critical emphasis on current policies, services, and programs designed as problem-resolution efforts. Social welfare as an institution is introduced in the broad context of industrialization and social change.

SOC 258. The African-American Experience. 3 hrs.
A survey of African-American experience from slavery to the present with emphasis on critical thinkers, protest movements and social institutions. Emphasis will include nineteenth century writers, the 1941 and 1963 marches on Washington, and the Niagara Movement.

SOC 301. Archaeology. 3 hrs.
An introduction to a scientific technique for the removal from the earth of cultural evidence concerning the activities and works of man in the past, including identification, preservation, and interpretation of such material. *Prerequisite:* SOC 110 or permission of instructor.

SOC 305. Racial and Ethnic Minorities. 3 hrs.
A study of racial and ethnic minorities in the U.S.A., South Africa, Palestine, the former U.S.S.R., and Latin America, and the Gypsies of Europe. Major theories of racial conflict and interracial tensions throughout the world; methods of reducing tensions and working toward pluralism, assimilation or integration.

SOC 310. Israel and the Palestinians. 3 hrs.
A survey of the struggle for possession of the land called Palestine, claimed by the Jews—descendants of Abraham through his son Isaac—and the Arabs—descendants of Abraham through his son Ishmael. A study of the claims, the conflict, and the suffering on both sides.

SOC 315. Arabs and the Middle East. 3 hrs.
Description under HST 315.

SOC 320. Appalachian Studies. 3 hrs.
A study of a rural region that includes discussion of the role of coal in the life of the region, poverty, community life, migration, folk arts and crafts, and social change.

SOC 325. Population and Society. 3 hrs.
The examination of demographic processes relating to human populations, and their effects on society. Issues of population composition and distribution, fertility, mortality, migration and the "growth problem." Techniques of population measurement and societal responses to population changes.

SOC 330. Social Organization. **3 hrs.**

Analytical study of organizations and communities, their function and structure, at local, national, regional and international levels, as they both enable planned action and limit freedom to act toward common goals. Emphasis on the theory and process of bureaucracy, issues concerning vertical and horizontal communication, decision-making, and the process of organizational change.

SOC 335. Conflict and Conflict Resolution. **3 hrs.**

An overview of the theories, causes, and dynamics of social conflict, with an emphasis on conflict resolution from a sociological point of view. Examines conflicts experienced at the inter-group, inter-organizational, and international levels. Opportunity to learn some practical techniques of conflict resolution.

SOC 340. Urban Sociology. **3 hrs.**

The history, growth and current impact of urban life, with attention to the characteristics of the urban environment, urban social problems, and special issues within the developing nations.

SOC 345. Research Methods in the Social Sciences. **3 hrs.**

A course focusing on scientific investigation and the design of program and practice research in the field of social science, with attention to the use of both qualitative and quantitative methods, the appropriate use of statistics, and a working knowledge of selected computer programs. *Prerequisite:* SOC 101 plus six hours in the department.

SOC 350. Sociology of Religion. **3 hrs.**

Religious experience and organizational life from a scientific sociological perspective. The emergence and change of religious organizations, their relationship to other social institutions, and the potential of religion for fostering cohesion, conflict and change in society. Includes topics such as civil religion, secularization, ecumenism, and religion and war.

SOC 355. Sociology of Change and Development. **3 hrs.**

Overview of approaches to development and the process of planned social change, with emphasis on participatory roles (including contributions of women, the elderly, and the disabled), as well as indigenous cultural values and social policy. Critical examination and comparison of selected case studies from developed and developing countries. *Prerequisite:* SOC 101.

SOC 360. International Organizations and Global Issues. **3 hrs.**

A study of international governmental and non-governmental organizations as systems of institutions for promoting cohesive social forces, the evolution of the United Nations and its system of agencies, and current global social issues.

SOC 365. History and Theory of Anthropology. **3 hrs.**

A study of the development of anthropology from early days to the present, looking at the major contributors and the major approaches to anthropological integration. *Prerequisites:* SOC 110, 115.

SOC 378. Social Theory. **3 hrs.**

A review of the major sociological theorists and schools of thought from Come to Ethnomethodology and Critical Theory. *Prerequisites:* SOC 101 plus nine hours in the department.

SOC 420. Senior Sociology Seminar. **1 hr.**

This seminar requires members to present their "senior paper" and participate fully in responding to class presentations.

Speech Communication

See Communication and Dramatic Arts for description of major and minor programs.

Sports Medicine

The sports medicine major is designed to prepare students for entry into the commercial or clinical sports medicine sectors which serve clients through injury prevention, treatment, rehabilitation, and exercise prescription to enable participation in healthful activities. The major also provides a solid academic and clinical background for students interested in pursuing graduate study in athletic training, sports medicine, sports psychology, or other related disciplines.

Requirements for Major

PED 140, 204, 209, 210, 304, 309, 310, 320, 325, 342, 349, 372, 376; CHE 105, 106 or PHY 151, 152; BIO 211, 212; HEC 265.

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Dean of the College

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Dean of Student Development and Enrollment Management

Dean of Student Development and Enrollment Management ..... Trina A. Dobberstein, Ph.D.
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Supervisor of Custodial Services ..... Betty L. Stone
Director of Athletics ..... George A. Klebez, D.Phys.Ed.
Director of Athletic Training Program ..... Jean M. Fruh, M.S., A.T.C.
Athletic Trainers ..... Paul A. Bailey, M.S., A.T.C.; Joseph R. Leaman, M.S., A.T.C.
Director of Intramurals ..... John K. Bohman, M.A.T.
Baseball Coach ..... Randall L. Tenney, M.A.T.

Men's Basketball Coach.....Charles E. Miller, M.A.
Women's Basketball Coach.....Lori L. Flaherty, M.S.
Football Coach.....William Struble, M.A.T.
Golf Coach.....James K. Myers, M.S.
Men's Soccer Coach.....Gavin D. Donaldson, M.S.
Women's Soccer Coach.....Nicole C. Izzo, B.A.
Softball Coach.....Stephen M. Warner, B.S.
Swimming Coach.....Clark W. Campbell, B.S.
Tennis Coach.....James R. Smith, M.S.
Track and Cross Country Coach.....Jesse F. Skiles, B.A.
Women's Volleyball Coach.....Tia J. Brandel, M.B.A.
Coordinator of Audiovisual Services.....James R. Nutter, A.S.E.E.
Director of the Service Center.....Dotty L. Hewitt
Supervisor of the Campus Post Office.....Inez J. Wilfong

Dean of the Chapel

Dean of the Chapel and
Assistant Dean of Student Development.....Gerald E. Wood, B.Div., M.A.
Coordinator of Volunteer Services.....Jean M. O'Halloran, B.A.
Administrative Assistant for College Functions.....June Rose Simmons, M.S.

Development and College Relations

Executive Director of Development.....
Administrative Assistant.....Evelyn L. Stutler
Director of Planned Giving.....J. Brooks Jones, B.A.
Grant Writer.....Carolyn S. Mann, M.A., M.A.L.S.
Director of Alumni Relations.....Kent H. Carpenter, M.Ed.
Director of College Relations.....Barbara E. Clowdus
Director of News Services.....John F. Scott, B.A.
Coordinator of Emeritus Club Activities.....Herbert L. Sharp, M.A.

Board of Trustees

The board member's term expires in May of the year given in parentheses.

Elected Members

Carl V. Lyon, *Chairperson*, Annandale, VA (1997)
Robert S. Foltz, *First Vice Chairperson*, Pittsburgh, PA (1997)
Alfred L. Moyé, *Second Vice Chairperson*, San Mateo, CA (1995)
Ellen S. Carter, *Third Vice Chairperson*, Rock Cave, WV (1997)
William E. Watson, *Fourth Vice Chairperson*, Wellsburg, WV (1998)
John R. Campbell, *Secretary*, Buckhannon, WV (1998)
Joseph S. Beeson, Charleston, WV (1998)
Mary Lou Greenwood Boice, Decatur, GA (1998)
Arthur D. Boyd, Mamaroneck, NY (1998)
Phyllis Carter, Charleston, WV (1998)
D. Keith Clarke, Williamstown, WV (1996)

Thomas W. Cole, Jr., Atlanta, GA (1995)
Stephen P. Coonts, Denver, CO (1998)
Sally F. Duncan, Huntington, WV (1996)
Thomas E. Dunlap, Sr., Charleston, WV (1998)
Kay Huffman Goodwin, Ripley, WV (1995)
William O. Goodwin, Atlanta, GA (1997)
Robert P. Hartley, Ravenswood, WV (1995)
I. Frank Hartman II, Buckhannon, WV (1996)
Basil A. Hensley, Elkins, WV (1996)
Robert H. Jeran, Buckhannon, WV (1997)
Daniel B. Johnson, Parkersburg, WV (1995)
E. Leon Linger, Buckhannon, WV (1997)
John L. McClaugherty, Charleston, WV (1995)
John F. McCuskey, Charleston, WV (1995)
C. David McMunn, Clarksburg, WV (1997)
Roger L. Smith, Morgantown, WV (1997)
Stephen Walker, Charleston, WV (1997)
Peter D. Weaver, Pittsburgh, PA (1998)
Sue D. Woods, Huntington, WV (1995)

Ex Officio Members

Resident Bishop of the West Virginia Area, **S. Clifton Ives**, Charleston, WV
Resident Bishop of the Western Pennsylvania Area, **George W. Bashore**, Mars, PA
President of the College
President of the College Alumni Council, **Michael J. Aloi**, Fairmont, WV
Chairperson of the College Faculty Council, **Betty G. Norvell**
President of the College Community Council, **Thomas L. Neumark**

The Faculty

The year of the faculty member's initial appointment is given in parentheses.

Nancy L. Alfred, *Professor of Nursing* (1983). B.S.N., M.S., M.S.N., West Virginia University; D.S.N., University of Alabama at Birmingham.

Dianne D. Bailey, *Assistant Professor of Nursing* (1993). B.S.N., M.S.N., West Virginia University.

Arminta T. Baldwin, *Professor of English* (1966). A.B., Glenville State College; M.A., West Virginia University.

Anona A. Berry, *Assistant Professor of Art (pt)* (1990). B.S., Kutztown State College; M.Ed., Temple University.

Michael L. Berry, *Professor of Mathematics* (1966). B.S., West Virginia Institute of Technology; M.A., Pennsylvania State University.

Kwame A. Boateng, *Assistant Professor of Political Science* (1994). B.S. Ed., M.S., Ph.D., University of Tennessee, Knoxville.

Robert S. Braine, *Professor of Health and Physical Education* (1969). B.S., Lock Haven State College; M.A.T., University of North Carolina; Ed.D., West Virginia University.

David R. Burns, *Assistant Professor of Mathematics* (1993). B.S., Western Illinois University; M.S., Ph.D., North Dakota State University.

Richard S. Calef, *Professor of Psychology* (1970). B.A., University of Bridgeport; M.A., Ph.D., Southern Illinois University.

Ruth A. Calef, *Associate Professor of Psychology* (1971). B.A., North Central College; M.A., Ph.D., Southern Illinois University.

Margaret C. Campbell, *Assistant Professor of Nursing* (1976). B.S.N., Alderson-Broaddus College; M.S.N., West Virginia University.

Kent H. Carpenter, *Assistant Professor of Health and Physical Education and Director of Alumni Relations* (1969). B.A., West Virginia Wesleyan College; M.Ed., Ohio University.

Marvin H. Carr III, *Associate Professor of Christian Education* (1974). B.S., M.A., West Virginia University; B.D., Duke Divinity School; S.T.M., Union Theological Seminary; D.Min., Methodist Theological School of Ohio.

Michael C. Choban, *Associate Professor of Psychology* (1982). B.A., West Virginia Wesleyan College; M.A., Ph.D., West Virginia University.

Richard C. Clemens, *Associate Professor of Business* (1977). B.B.A., Ohio University; M.B.A., Bowling Green State University.

Thomas W. Cline, *Assistant Professor of Business* (1990). B.S., M.B.A., University of Virginia. *Developmental Leave, 1994-96.*

Carl M. Colson, *Professor of Biology* (1969). B.S., University of Nebraska; Ph.D., University of Florida.

Phyllis E. Coston, *Associate Professor of Christian Education and Director of the Learning Center* (1963). A.B., West Virginia Wesleyan College; M.A., Northwestern University.

Boyd H. Creasman, *Assistant Professor of English* (1990). B.A., Middle Tennessee State University; M.A., Ph.D., Florida State University.

Stephen E. Cresswell, *Associate Professor of History* (1986). B.A., University of Virginia; M.A., M.L.S., Catholic University; Ph.D., University of Virginia.

Benjamin F. Crutchfield, *Associate Professor of Library Science* (1969). B.A., M.S.L.S., University of North Carolina.

Anthony E. J. A. Davies, *Assistant Professor of Economics* (1992). B.S., St. Vincent College; Ph.D. cand., State University of New York at Albany.

Caroline L. Dees, *Associate Professor of Music* (1969). A.B., Tift College; M.M., University of Kentucky.

G. Mark DeFoe, *Professor of English and Assistant Dean of the College* (1975). B.S., M.A., Oklahoma State University; Ph.D., University of Denver.

Esther G. Wilmoth Dyer, *Associate Professor of Education* (1965). A.B., West Virginia Wesleyan College; M.A., Scarritt College.

Michael B. Ervin, *Assistant Professor of Business* (1993). B.S.B.A., West Virginia University; M.Acc., University of Denver; M.S. in Taxation, University of Hartford; C.P.A.

Shirley D. Fortney, *Assistant Professor of Education* (1992). B.A., Fairmont State College; M.A., Marshall University; M.A., West Virginia College of Graduate Studies; Ed.D., Virginia Polytechnic Institute and State University.

Jean M. Fruh, *Assistant Professor of Physical Education and Sports Medicine* (1984). B.S., M.S., Springfield College.

Barbara E. Frye, *Assistant Professor of Nursing* (1990). B.S., West Virginia Wesleyan College; M.S.N., West Virginia University.

Katherine R. Glenney, *Assistant Professor of Psychology* (1989). B.A., Susquehanna University; M.S., Shippensburg University; Ed.D., West Virginia University.

Katharine B. Gregg, *Professor of Biology* (1976). B.A., Emory University; Ph.D., University of Miami.

Anthony A. Gum, *Associate Professor of Business* (1969). A.B., Glenville State College; M.A., Marshall University.

Lillian J. S. Halverson, *Professor of Human Ecology and Director of Didactic Program in Dietetics (Plan IV)* (1970). B.S., M.S., Stout State University; Ph.D., Ohio State University.

Donald L. Hamilton, *Associate Professor of Music* (1985). A.B., Fairmont State College; M.M., West Virginia University.

Allen T. Hamner, *Professor of Chemistry* (1969). B.S. West Virginia Wesleyan College; Ph.D., Cornell University.

Arthur B. Holmes, *Professor of Religion* (1970). B.S., Stetson University; B.D., Emory University; Ph.D., Drew University.

Robert N. Hull, *Assistant Professor of Philosophy* (1994). B.A., Hamline University; M.A., Ph.D., University of Kansas.

Barbara M. Kean, *Assistant Professor of Education* (1990). B.S., East Carolina University; M.A., West Virginia College of Graduate Studies; M.A., University of West Virginia College of Graduate Studies; Ed.D., West Virginia University.

Bernard F. Keating, *Professor of Philosophy* (1977). B.A., College of William and Mary; M.A., Ph.D., University of Virginia.

Daniel T. Keegan, *Associate Professor of Art* (1992). B.A., University of Wisconsin; M.F.A., Southern Illinois University.

Charles E. Kinsman, *Assistant Professor of Business* (1993). B.S., Lafayette College; M.B.A., University of Pennsylvania.

Ronald H. Klausewitz, *Associate Professor of Computer Science* (1974). B.S., Pennsylvania State University; M.S., University of South Florida; M.S.E.E., West Virginia University.

George A. Klebez, *Associate Professor of Health and Physical Education and Director of Athletics* (1986). B.S., West Virginia Wesleyan College; M.S., D.Phys.Ed., Indiana University.

Michael Kuba, *Instructor in Psychology and Director of Counseling and Wellness Center* (1987). B.A., Bowling Green State University, M.A., Villanova University.

Kevin C. Lee, *Assistant Professor of Communication* (1994). B.A., Western State College; M.A., Central Missouri State University.

Kathleen M. Long, *Assistant Professor of Communication* (1987). A.B., M.A., West Virginia University; M.S., Southern Illinois University.

Gretchen H. Lynn, *Assistant Professor of Computer Science* (1989). B.S., Concord College; M.S.; University of Tennessee, Knoxville.

William M. Mahoney, *Associate Professor of History* (1983). B.A., University of Delaware; M.A., Wake Forest University; Ph.D., University of Connecticut.

William E. Mallory, *Professor of English* (1969). B.A., The American University; M.A., University of Washington; Ph.D., State University of New York at Buffalo.

G. Thomas Mann, *Professor of German and Dean of the College* (1991). B.A., Wayne State University; M.A., University of Kansas; Ph.D., University of Michigan.

Judith R. Martin, *Associate Professor of Library Science* (1976). B.A., Wheeling College; M.A., M.S.L.S., University of North Carolina.

Edward J. McBride, *Associate Professor of Physics and Engineering* (1991). B.S., University of Kansas; M.A., Harvard University; Ph.D., University of Kansas.

David W. McCauley, *Assistant Professor of Business and Director of the M.B.A. Program* (1994). B.A., J.D., West Virginia University.

Rodger J. McCormick, *Professor of Biology* (1977). B.S., Shippensburg State College; M.S., University of Maryland; D.Ed., Pennsylvania State University.

Judith A. McKinney, *Associate Professor of Nursing* (1977). B.S., West Virginia Wesleyan College; M.A., M.S.N., Ed.D., West Virginia University.

W. Irene McKinney, *Associate Professor of English* (1990). B.A., West Virginia Wesleyan College; M.A., West Virginia University; Ph.D., University of Utah.

David A. Milburn, *Professor of Music* (1966). B.Mus., M.Mus., West Virginia University; D.M.A., Catholic University of America.

Charles E. Miller, *Assistant Professor of Education and Coach of Men's Basketball* (1992). B.A., West Virginia Wesleyan College; M.A., West Virginia University.

Ashley Morrissette, *Assistant Professor of Political Science* (1982). B.A., State University of New York at Oswego; M.A., University of Minnesota; M.A., University of Toronto; Ph.D., Claremont Graduate School.

Kumaran R. Nair, *Professor of Economics* (1969). B.A., M.A., Kerala University, India.

Betty J. Norvell, *Professor of Communication and Dramatic Arts (pt)* (1957). A.B., Greensboro College; M.F.A., Ohio University; Ph.D., West Virginia University.

Robert J. O'Brien, *Associate Professor of English* (1971). B.A., Louisiana State University; M.A., Ph.D., University of Iowa; J.D., West Virginia University.

Larry R. Parsons, *Professor of Music* (1968). B.A., Kansas Wesleyan University; M.S.M., Southern Methodist University; D.M.A., University of Illinois.

Karen R. Petitto, *Instructor in Human Ecology* (1992). B.A., Fairmont State College; M.Ed., University of North Carolina at Greensboro.

G. Albert Popson, Jr., *Assistant Professor of Physics and Engineering* (1989). B.S., M.S., Indiana University of Pennsylvania; Ph.D., Clemson University.

Sandra E. Presar, *Assistant Professor of Communication* (1968). B.S., M.A., Bowling Green State University.

Vijaya Rao, *Professor of Sociology and Social Work* (1990). B.A., M.A., Agra University, India; M.S.W., The M.S. University of Baroda, India; D.S.W., University of Pennsylvania.

Gerri Reaves, *Assistant Professor of English* (1994). B.A., Florida International University; M.A., Ph.D., University of Miami.

Larry A. Reed, *Professor of Dramatic Arts* (1977). B.A., West Virginia Wesleyan College; M.A., M.F.A., West Virginia University.

Beverly K. Rhoads, *Assistant Professor of Art* (1992). B.F.A., Western Carolina University; M.F.A., University of Pennsylvania.

G. Paul Richter, *Professor of Chemistry* (1965). B.A., Grinnell College; Ph.D., University of Minnesota.

Jeffrey L. Rinkel, *Instructor in Communication* (1992). B.A., M.A., University of Northern Iowa.

Dean H. Ruhlow, *Professor of Business* (1959). B.S., West Virginia Wesleyan College; M.A., University of Nebraska.

Lynn G. Rupp, *Instructor in Education* (1992). B.A., Ohio Wesleyan University; M.S., Syracuse University.

Robert O. Rupp, *Associate Professor of History* (1989). B.A., Ohio Wesleyan University; M.A., Ph.D., Syracuse University.

Linda R. Sabak, *Professor of Music* (1974). B.Mus., M.Mus., D.M.A., West Virginia University.

John K. Saunders, *Associate Professor of English* (1983). B.A., M.A., Oklahoma State University; Ph.D., State University of New York at Stony Brook.

Hamid Shaafi, *Associate Professor of Business and Economics* (1990). B.S., M.P.A., University of Tehran; Ph.D., Syracuse University; C.M.A.

James R. Smith, *Associate Professor of Health and Physical Education and Coach of Tennis* (1968). B.S., West Virginia Wesleyan College; M.S., West Virginia University.

Janet T. Stout, *Assistant Professor of Nursing* (1994). B.S.N., Alderson-Broaddus College; M.S.N., Syracuse University.

Jeanne D. Sullivan, *Assistant Professor of Biology* (1993). B.A., M.A., University of Texas at Austin; Ph.D., University of Maryland.

Marjorie F. Trusler, *Professor of Modern Languages* (1969). B.A., Hood College; M.A., Middlebury College; Ph.D., Emory University.

John R. Urquhart, *Associate Professor of Dramatic Arts* (1990). B.A., M.A., Ph.D., Florida State University.

John R. Warner, Jr., *Professor of Sociology* (1970). B.A., Baker University; S.T.B., Ph.D., Boston University.

Kenneth B. Welliver, *Workman Professor of Religion* (1964). B.A., DePauw University; B.D., Yale Divinity School; M.A., Ph.D., Yale University.

Joseph E. Wiest, *Professor of Physics* (1973). B.S., Eastern Illinois University; M.S., Ph.D., University of Kentucky.

Thomas H. Williams, *Associate Professor of Education* (1991). B.A., Fairmont State College; M.A., West Virginia University; Ed.D., Virginia Polytechnic Institute and State University.

Paul A. Withey, *Assistant Professor of Physics* (1993). B.Sc., The University of Calgary; Ph.D., Texas Christian University.

Special Faculty Appointments

Paul A. Bailey, *Lecturer in Physical Education*. M.S., A.T.C.

Michael E. Benigni, *Lecturer in English*. M.A.

Margaret E. Davis, *Lecturer in Art*. M.F.A.

Francisco J. Figueroa, *Lecturer in Spanish*. M.A.

Lori L. Flaherty, *Lecturer in Health and Physical Education*. M.S.

Susan A. Gebhardt-Burns, *Lecturer in English.* M.A.

Jolanda S. Holmes, *Lecturer in German.* B.S.

Brian J. Jozwiak, *Lecturer in Health and Physical Education.* M.A.T.

Joseph R. Leaman, *Lecturer in Physical Education* M.S., A.T.C.

Melody J. Meadows, *Lecturer in Music.* M.A.T.

Randall L. McNemar, *Lecturer in Health and Physical Education.* M.S.

Nancy B. Porter, *Lecturer in English.* M.S.

John H. Vaughan, *Lecturer in Music.* M.A.

Mary L. Welliver, *Lecturer in English as a Second Language.* M.A.

EMERITI

Calvin Buell Agey, *Professor of Music, Emeritus* (1946-1973). B.M., M.M., College of Music of Cincinnati; Ph.D., Florida State University.

Ferenc F. Androczi, *Professor of Library Science, Emeritus* (1970-1981). M.L.S., Syracuse University; Ph.D., Budapest.

Franck Bayard, *Professor of Economics, Emeritus* (1967-1983). Baccalaureate, Lycée Petion, Haiti; LL.B., University of Haiti; M.A., Howard University.

J. Peter Bercovitz, *Professor of Religion, Emeritus* (1965-1992). B.A., Occidental College; B.D., San Francisco Theological Seminary; Ph.D., University of Edinburgh.

Frank D. Berisford, *Professor of Business, Emeritus* (1971-81). A.B., Marshall University; M.B.A., Wharton School, University of Pennsylvania.

Howard H. Bright, *Professor of Sociology, Emeritus* (1967-1993). B.S., University of Pittsburgh; S.T.B., Th.D., Boston University.

John P. Burgess, *Professor of Education, Emeritus* (1971-1990). B.S., Purdue University; M.A.T., Miami University; M.A., Ed.D., Ball State University

Ernest Capstack, Jr., *Professor of Chemistry, Emeritus* (1964-1992). B.S., Massachusetts Institute of Technology; M.S., University of Rhode Island; Ph.D., Brown University.

Herbert R. Coston, Jr., *Professor of History, Emeritus* (1962-1992). B.A., University of Florida; B.D., Garrett Theological Seminary; M.A., Ph.D., Northwestern University.

Robert S. Craig, *Professor of Business, Emeritus* (1961-1988). A.B., Davis and Elkins College; M.Ed., University of Delaware.

Patricia K. Craven, *Professor of Nursing, Emerita* (1971-1988). B.S., Alderson-Broaddus College; M.N., University of Pittsburgh.

Roy W. Curry, *Professor of History, Emeritus* (1966-81). A.B., Marshall College; M.A., West Virginia University; Ph.D., Duke University.

Marian McBrair Davis, *Professor of English, Emerita* (1961-1978). A.B., Carroll College; A.M., Northwestern University; Ed.D., Columbia University.

Sidney Thomas Davis, *Professor of Religion and Christian Education, Emeritus* (1947-1976). A.B., West Virginia Wesleyan College; S.T.B., Boston University; Ed.M., Ph.D., University of Pittsburgh.

Florence E. Elliott, *Professor of Nursing, Emerita* (1976-1980). A.A., Sullins College; B.S.N.Ed., University of Virginia; M.A., Columbia University.

Franklin C. Ellis, *Professor of Health and Physical Education and Coach of Baseball, Emeritus* (1950-1986). B.S., West Virginia Wesleyan College; M.A., West Virginia University.

Margaret E. Wells Foster, *Professor of English, Emerita* (1964-1974). B.A., M.A., West Virginia University.

Elizabeth L. Gill, *Professor of English, Emerita* (1967-1977). B.S., Indiana State Teachers College; M.Ed., Indiana University of Pennsylvania.

Doris S. Godsey, *Professor of Nursing, Emerita* (1971-1983). B.S., Indiana State University; M.S., University of Maryland.

Mary B. Hallam, *Professor of Mathematics, Emerita* (1965-1977). B.S., West Virginia Wesleyan College; M.A., Duke University.

William A. Hallam, *Professor of Mathematics, Emeritus* (1928-1973). B.S., Washington and Jefferson College; A.M., Johns Hopkins University; D.S., West Virginia Wesleyan College.

Paul R. Hickman, *Professor of Earth Science, Emeritus* (1958-1993). B.S., Ohio State University; M.S., West Virginia University.

Annette R. Hiedemann, *Professor of Psychology, Emerita* (1968-1994). B.A., University of California; Ph.D., Leopold-Franzens Universitat, Austria.

Lonnie J. Hinkle, *Professor of Education, Emeritus* (1978-1985). B.A., West Virginia Wesleyan College; M.Ed., University of Pittsburgh; D.Ed., George Washington University.

Robert L. Hunt, *Professor of History, Emeritus*. (1959-1989). B.A., Alderson-Broaddus College; M.A., Marshall University.

Nancy A. Jackson, *Professor of Nursing, Emerita* (1977-1993). B.S., Boston University; M.N.Ed., Ph.D., University of Pittsburgh.

Thorvald W. Jorgensen, *Professor of Business Administration and Economics, Emeritus* (1965-1977). B.A., University of Utah; M.B.A., New York University.

Bobby H. Loftis, *Professor of Music, Emeritus* (1959-1992). B.Mus., Shenandoah Conservatory of Music; M.M., Florida State University; Ph.D., West Virginia University.

Sybil C. Miller, *Professor of Human Ecology, Emerita* (1969-1988). B.S., Concord College; M.S., West Virginia University.

Joseph B. Mow, *Professor of Philosophy, Emeritus* (1963-1988). B.A., Manchester College; B.D., Ph.D., University of Chicago.

James K. Myers, *Professor of Health and Physical Education and Golf Coach, Emeritus* (1963-1985). B.S., West Virginia Wesleyan College; M.S., West Virginia University.

Patton L. Nickell, *Professor of Education, Emeritus* (1963-1986). B.S., West Virginia Wesleyan College; M.A., Marshall University.

William B. Oldaker, *Professor of Art, Emeritus* (1970-1992). B.A., West Virginia Wesleyan College; M.A., American University.

Fredrick A. Peterson, *Professor of Anthropology and Director of the Center for Latin American Studies, Emeritus* (1964-1985). B.A., M.A., Mexico City College; L.H.D., West Virginia Wesleyan College.

Charles I. Presar, *Professor of Speech Communication and Dramatic Arts, Emeritus* (1967-1990). B.A., Heidelberg College; M.A., Northwestern University.

George Bowyer Rossbach, *Professor of Biology and Curator of the Herbarium, Emeritus* (1949-1976). B.S., A.M., Harvard University; Ph.D., Stanford University.

Robert E. Shafer, *Professor of Music, Emeritus* (1951-1984). B.M., B.M.E., M.M., Northwestern University.

David W. Sheppard, *Professor of Mathematics and Physics, Emeritus* (1980-1993). B.A., Gordon College; B.D., Andover-Newton Theological School; M.A., Brown University; M.L.S., University of Pittsburgh; Ph.D., Ohio State University.

June Rose Simmons, *Professor of Human Ecology, Emerita*, (1974-1987). B.S., M.S., West Virginia University.

Stephen D. Tinelli, *Professor of Art, Emeritus* (1961-1992). B.S., Lamar State College of Technology; M.A., Columbia University.

Margaret I. Walls, *Professor of Human Ecology, Emerita* (1960-1992). B.S., West Virginia Wesleyan College; M.S., West Virginia University.

Elizabeth M. Weimer, *Professor of Biology, Emerita* (1962-1986). B.S., Bethany College; M.S., University of New Hampshire.

PRESIDENTS

Bennett W. Hutchinson, A.M., S.T.D., LL.D., 1890-1898

Frank B. Trotter, A.M., LL.D. (Acting), 1898

Simon L. Boyers, A.M., D.D., 1898-1900

John Wier, A.M., D.D., 1900-1907

Carl G. Doney, Ph.D., LL.D., 1907-1915

Thomas W. Haught, A.M., Sc.D. (Acting), 1913-1914, 1922-1923, 1925-1926

Wallace B. Fleming, Ph.D., D.D., L.H.D., LL.D., 1915-1922, (Acting) 1941-1942

Elmer Guy Cutshall, Ph.D., 1923-1925

Homer E. Wark, Ph.D., LL.D., 1926-1931

Roy McCuskey, S.T.B., D.D., 1931-1941

Joseph Warren Broyles, Ph.D., D.D., 1942-1945

Arthur Allen Schoolcraft, Ph.D., LL.D., (Acting), 1945-1946, 1956-1957

William John Scarborough, Ph.D., LL.D., 1946-1956

Stanley Hubert Martin, Ph.D., D.D., LL.D., 1957-1972

Kenneth M. Plummer, Ph.D. (Acting), 1971

Richard Alvin Cunningham, Ed.D. (Acting), 1972-1973

John Davison Rockefeller IV, A.B., LL.D., L.H.D., D.P.S., 1973-1975

William H. Capitan, Ph.D. (Acting), 1975-1976

Ronald Eugene Sleeth, Ph.D., 1976-1977

Fred E. Harris, Ed.D., 1977-1981

Hugh A. Latimer, B.S.E.E., LL.D., 1981-1986

Thomas B. Courtice, Ph.D., 1986-1994

DEANS

Frank B. Trotter, LL.D., 1890-1907

William A. Haggerty, Ph.D., 1907-1909

Thomas W. Haught, Sc.D., 1909-1929

Oscar Doane Lambert, Ph.D., 1929-1944

Arthur Allen Schoolcraft, Ph.D., LL.D., 1944-1959

Orlo Strunk, Jr., Ph.D., 1959-1968

Nelson M. Hoffman, Jr., Ph.D., 1968-1970

Richard Alvin Cunningham, Ed.D. (Acting), 1970-1971, 1973-1974

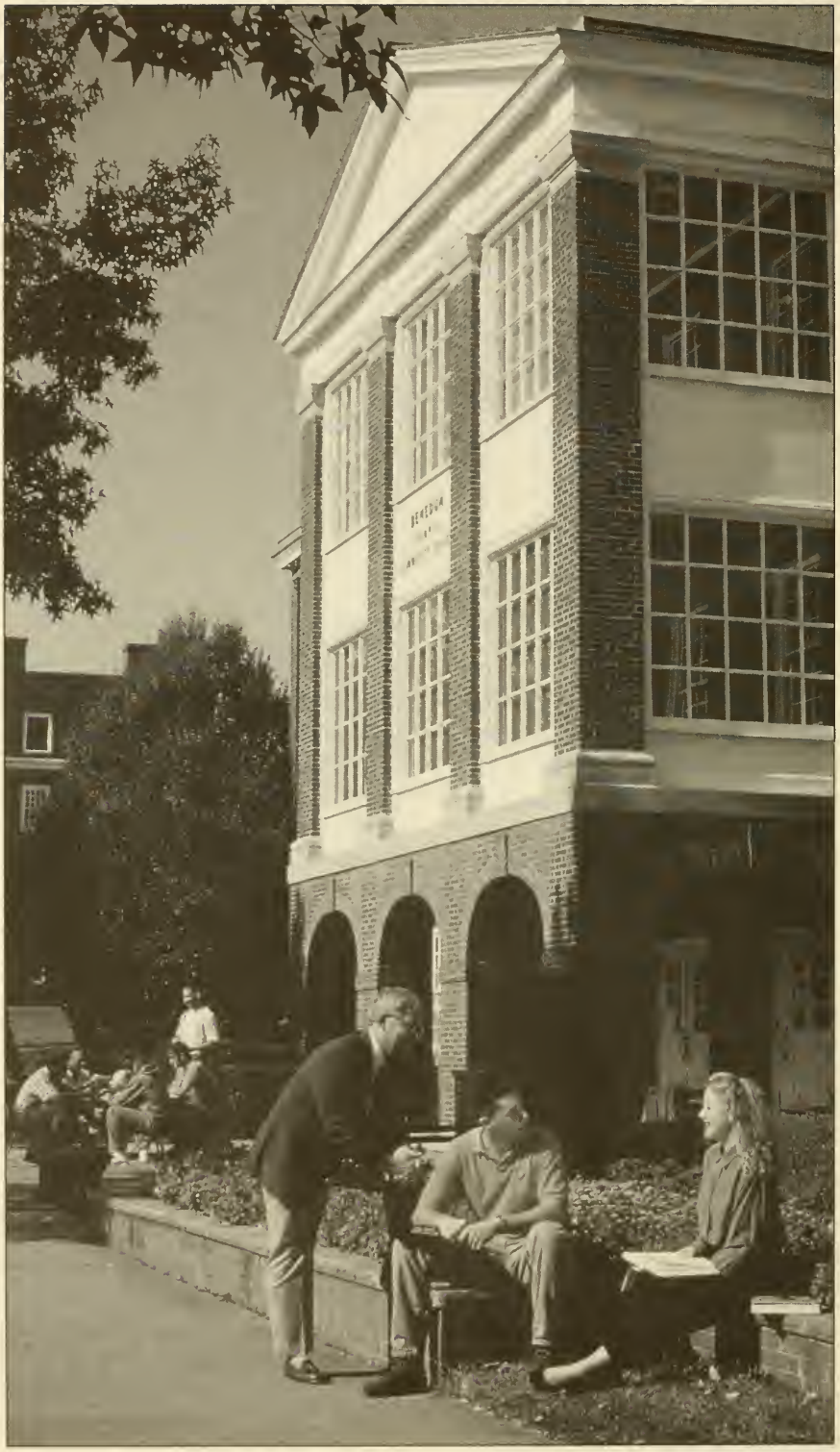
Kenneth M. Plummer, Ph.D., 1971-1973

William H. Capitan, Ph.D., 1974-1979

Kenneth B. Welliver, Ph.D., 1979-1987

Barbara L. Richardson, Ph.D., 1987-1991

G. Thomas Mann, Ph.D., 1991-



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